Census
SC
HA
201
1930
.C46
1933

FIFTEENTH CENSUS OF THE UNITED STATES: 1930

CENSUS OF AGRICULTURE

FARM REAL ESTATE VALUES IN THE NEW ENGLAND STATES 1850 TO 1930

LIBRARY
BUREAU OF THE CENSUS

BRITTLE PAPER
PLEASE HANDLE WITH CARE

Reference Copy

737

Census
2
065
UN3a
1930

U. S. DEPARTMENT OF COMMERCE
Roy D. Chapin, Secretary
BUREAU OF THE CENSUS
W. M. Steuart, Director

FIFTEENTH CENSUS OF THE UNITED STATES: 1930

CENSUS OF AGRICULTURE

FARM REAL-ESTATE VALUES IN THE NEW ENGLAND STATES

1850 TO 1930

BUREAU OF THE CENSUS
LIBRARY

UNITED STATES
GOVERNMENT PRINTING OFFICE
WASHINGTON : 1933

For sale by the Superintendent of Documents, Washington, D. C. - - - - - - Price 10 cents

CONTENTS

Page
INTRODUCTION 5
  Importance of the subject 5
  Purposes of the study 7
  Factors affecting farm real-estate values 7
  Description and limitations of the data 7
  Plan of the study 8
CHAPTER I.—NEW ENGLAND AND OTHER GEOGRAPHIC DIVISIONS 9
  All farm real-estate values: 1850 to 1930 9
  Value of all farm buildings and farm land: 1900 to 1930 18
  Average value of dwellings of farm operators, 1930 25
CHAPTER II.—THE RISE IN FARM REAL-ESTATE VALUES IN THE NEW ENGLAND STATES: 1850 TO 1930 27
  Physical, climatic, and economic characteristics 27
  Values of all farm real estate: 1850 to 1930 29
  Values of all farm buildings: 1900 to 1930 36
  Geographic differences in the value of dwellings of farm operators, 1930 42
  Value of farm land (excluding buildings): 1900 to 1930 46
  Changes in the value of farm implements and machinery: 1850 to 1930 52
  Changes in the number of farms: 1850 to 1930 52
  Changes in the acres of land in farms: 1850 to 1930 55
  Utilization of farm land: 1929 and 1924 58
  Population changes: 1850 to 1930 62
  Farm prices and farn production: 1909 to 1929 75
  Types of farms and farm real-estate value, 1930 95
  New England type of farming areas 95
  Changes in county boundaries, New England States: 1850 to 1930 96
CHAPTER III.—SUMMARY AND ADDITIONAL DATA 97

LIST OF TABLES

INTRODUCTION

Table
1. Number of farms, all land in farms, and value of all farm real estate (land and buildings), by geographic divisions: 1920 to 1930 6

CHAPTER I

2. Average value and index number of all farm real estate (land and buildings) per acre, by geographic divisions: 1850 to 1930 17
3. Measurement of the changes in the average value of farm real estate (land and buildings) per acre, in percentages of the average with the United States as a base (100) by geographic divisions: 1850 to 1930 18
4. Average value and index number of all farm buildings per acre, by geographic divisions: 1900 to 1930 23
5. Average value and index number of farm land (excluding buildings) per acre, by geographic divisions: 1900 to 1930 23
6. Average value of dwellings of farm operators per farm, by geographic divisions, 1930 25

CHAPTER II

7. Average value of all farm real estate (land and buildings) and of land alone, per acre, for New England, by States and counties: 1930, 1925, and 1920 32
8. Average value and index number of all farm real estate (land and buildings) per acre for New England, by States and counties: 1850 to 1930 33
9. Measurement of the changes in the average value of all farm real estate (land and buildings) per acre, 1850 to 1930, and of all farm buildings per acre, 1900 to 1930, in percentages of the average for New England as base (100), by States and counties 35
10. Average value of all farm buildings, and implements and machinery per acre, 1930, 1925, and 1920; and of farm operators' dwellings per farm, 1930, for New England, by States and counties 39

117365

Table Page
11. Average value and index number of all farm buildings per acre, 1900 to 1930, and average value of farm operators' dwellings per farm (1930), for New England, by States and counties 40
12. Median value of dwellings of farm operators, and median value and monthly rental of nonfarm homes, for New England, by States, 1930 44
13. Median value of dwellings of farm operators and median value and monthly rental of nonfarm homes for New England, by States and counties, 1930 45
14. Average value and in dexnumber of farm land (excluding buildings) per acre, for New England by States and counties: 1900 to 1930 49
15. Ratio of the average value of all farm buildings and land alone, 1900 to 1930, and of implements and machinery, 1850 to 1930, per acre, to the average value of all farm real estate (land and buildings) for New England, by States and counties 50
16. Number of farms per square mile, for New England, by States and counties: 1850 to 1930 53
17. Index number and measurement of the changes in geographic distribution of the number of farms per square mile, for New England, by States and counties: 1850 to 1930 54
18. Approximate land area with per cent in farms, for New England, by States and counties: 1850 to 1930 57
19. Acreage of all crop land and of crop land harvested with percentage distribution, for New England, by States and counties: 1929 and 1924 59
20. Acreage of all land in pasture and of woodland not used for pasture, with percentage distribution for New England, by States and counties: 1929 and 1924 60
21. Population per square mile, for New England, by States and counties: 1850 to 1930 64
22. Index number and measurement of the changes in geographic distribution of the population per square mile, for New England, by States and counties: 1850 to 1930 65
23. Population per 100 acres of all land in farms for New England, by States and counties: 1850 to 1930 67
24. Index number and measurement of the changes in geographic distribution of the population per 100 acres of all land in farms, for New England, by States and counties: 1850 to 1930 68
25. Population, 1930, per 100 acres of all crop land, 1929, for New England, by States and counties 69
26. Total farm, rural farm, and urban farm population, with percentages of distribution, for New England, by States, 1930 69
27. Total farm, rural farm, and urban farm population, with per cent distribution for New England, by States and counties, 1930 70
28. Movement of population from city to farm and from farm to city, for the 12-month period ending April 1, 1930, for New England, by States and counties 71
29. Comparative statement showing average value and total value of principal crops and livestock products as reported, also when computed on the basis of 1909 prices, together with percentages of increase in value, for the United States and the New England States: 1929, 1919, and 1909 76
30. Index number and relative farm price of selected crops and livestock products, for New England, by States: 1929 and 1919 85
31. Average farm price and measurement of geographic price differences of selected crops and livestock products for New England, by States and counties, 1929 86

CHAPTER III

32. Average value of farm products sold, traded, or used by farm operator's family per acre, with per cent distribution of the averages and ratio of the value of products per acre, to the value of farm real estate (land and buildings) per acre, for New England, by States and counties, 1929 98
33. Cash tenants with relationship to landlord specified—farms reporting; acreage in farms; cash rent paid with average per acre; ratio of average rent to value of farm real estate (land and buildings) per acre; for New England, by States and counties, 1929 102
34. Average farm expenditure for labor and fertilizer per acre, with index number, per cent distribution of the averages, and ratio to value of farm real estate (land and buildings) per acre, for New England, by States and counties: 1899 to 1929 108
35. Per cent which the number of farms of each type is of the total number of all farms, for New England, by States and counties, 1930 110
36. Average value of all farm real estate (land and buildings) per acre, classified according to type of farm, for New England, by States and counties, 1930 112
37. Acreage of all land in farms, total value of all farm real estate (land and buildings) and average value of all farm real estate per acre, by principal type of farm areas, for New England, 1930 113
38. Per cent which the number of farms reporting each specified class of farm facility is of the total number of all farms, with per cent distribution of the farms reporting each class of facility, for New England, by States and counties, 1930 and 1920 115
39. Per cent increase (1925 to 1930) in the number of farms located on each kind of road, for New England, by States and counties 117
40. Per cent which the number of farms located on each kind of road is of the total number of all farms for New England, by States and counties: 1930 and 1925 118
41. Per cent distribution of the number of farms located on each kind of road, for New England, by States and counties:1930 and 1925 119

Page
42. Total population and population per square mile, 1930 and 1920; land area and farm population, 1930; and average value of all farm real estate (land and buildings) per acre, 1930 and 1925; by metropolitan areas in New England ---- 121
43. Acreage of all land in farms, total value of all farm real estate (land and buildings) and average value of all farm real estate per acre, by principal agricultural areas, for New England, 1930---- 123
44. Acreage of all land in farms, total value of all farm real estate (land and buildings) and average value of all farm real estate per acre, by principal industrial areas, for New England, 1930---- 123

LIST OF MAPS AND CHARTS

INTRODUCTION

FIG.
1. GRAPH.—Trend in the average value of farm real estate (land and buildings) per acre, in per cents (1930=100), for the United States and the geographic divisions: 1850–1930---- 19

CHAPTER I

2. GRAPH.—Trend in the average value of all farm buildings per acre and the average values of all farm real estate (land and buildings) per acre, in per cents (1910=100), for the United States and the New England States: 1900–1930---- 24
3. GRAPH.—Trend in the average value of all land in farms (excluding buildings) per acre, and the average value of all farm real estate (land and buildings) per acre, in per cents (1910=100), for the United States and the New England States: 1900–1930---- 24

CHAPTER II

FIG.
4.—SHADED MAP.—Average value of all farm real estate (land and buildings) per acre, by minor civil divisions, for the New England States, 1930---- 36
5. SHADED MAP.—Per cent increase (or decrease) in the average value of farm real estate (land and buildings) per acre, by minor civil divisions, for the New England States: 1925–1930- 37
6. SHADED MAP.—Average value of all farm buildings per acre, by minor civil divisions, for the New England States, 1930---- 42
7. SHADED MAP.—Average value of dwellings of farm operators, per farm, by minor civil divisions, for the New England States, 1930---- 46
8. SHADED MAP.—Average value of all farm land (excluding buildings) per acre, by minor civil divisions, for the New England States, 1930---- 51
9. DOT MAP.—Number of farms for the New England States, 1930---- 55
10. GRAPH.—Trend in the acres of all land in farm sand the average value of farm real estate (land and buildings) per acre, in per cents (1910=100), for the United States and the New England States: 1850–1930---- 56
11. DOT MAP.—Acres of all land in farms, for the New England States, 1930---- 58
12. SHADED MAP.—Per cent which crop land harvested in 1929 was of all land in farms in 1930, by minor civil divisions, for the New England States---- 62
13. DOT MAP.—Total population in the New England States, 1930---- 73
14. GRAPH.—Trend in population per square mile and in the average value of farm real estate (land and buildings) per acre, in per cents (1910=100), for the United States and the New England States: 1850–1930---- 74
15. SHADED MAP.—Per cent which the total farm population is of the total population, by minor civil divisions, for the New England States, 1930---- 75
16. SHADED MAP.—Average price paid producers for apples, for the New England States, 1929---- 90
17. SHADED MAP.—Average price paid producers for timothy, and timothy and clover (mixed) hay, for the New England States, 1929---- 91
18. SHADED MAP.—Average price paid producers for potatoes, Irish (or white) for the New England States, 1929---- 92
19. SHADED MAP.—Average price paid producers for eggs, for the New England States, 1929---- 93
20. SHADED MAP.—Average price paid producers for whole milk, for the New England States, 1929-- 94

CHAPTER III

21. GRAPH.—Trend in the average expenditure for labor and fertilizer, per acre, and the average value of all farm real estate (land and biuldings) per acre, in per cents (1910=100), for the United States, and the New England States: 1899–1929---- 110
22. OUTLINE MAP.—Type of farming areas in the New England States, 1930---- 114
23. SHADED MAP.—Agricultural ,semiagricultural, and industrial areas, by minor civil divisions, in the New England States, 1930---- 122

FARM REAL-ESTATE VALUES IN THE NEW ENGLAND STATES, 1850 TO 1930

By WILLIAM I. GOODWIN

INTRODUCTION

Importance of the subject.—This is a study of farm real-estate values and their principal related factors in New England from 1850 to 1930. The Fifteenth Decennial Census, 1930, and earlier censuses comprise the principal sources of the data used in this study. The term "farm real-estate values" is commonly understood to mean the value of all farm land, buildings, and improvements and will be so used here. The chief discussions, however, will center about the average values per acre of farm real estate, thereby eliminating to some extent the effect of increases and decreases in the total amount of farm land.

In the foreground of present-day problems are those dealing with, or related to, farm real-estate values. The importance of having available detailed information concerning farm real-estate values is not confined to this subject alone, but includes, as well, data pertaining to factors which affect those values. Such data are of special interest to buyers and sellers of farm real estate, to those who appraise farm property for taxation or investment purposes, to research workers, and to students of economic problems. A knowledge of the trends of farm real-estate values and related factors within particular geographic areas over a period of time, as well as information regarding the geographic and special relationships of these subjects at a particular time, is of primary importance to these individuals.

The general readjustments which have taken place since 1920, not only in agriculture, but also in practically all other industries, accompanied as they have been by rapid changes in price levels, have made it essential that business men, bankers, investors, farmers, landowners, public officials, economists, and students, alike, give close attention to these changes, in order to more correctly interpret their effect upon farm real-estate values. Probably no other class of real estate is affected to a larger degree by changes in the price level of agricultural commodities than is farm real estate. It is also safe to assume that no class of people other than farmers is affected financially to a larger degree by changes in the price level of agricultural commodities. A general advance in the prices of agricultural products, such as may contribute to a certain rise in the incomes of farmers and in farm real-estate values, adds certain proportional values to the wealth of farmers, hence, serves to enhance their purchasing power, the flexibility and efficiency of their farming operations and their general welfare. In contrast, a decline in the prices of agricultural products, such as may contribute to a certain decline in the incomes of farmers and in farm real-estate values, involves certain proportional losses in values to farmers, and serves to reduce their purchasing power, the flexibility and efficiency of their farming operations, and to lower their standards of living.

The situation in 1930 with regard to the total value of farm real estate shows the advantageous position which the New England States held in comparison with other geographic divisions of the country. These comparisons are emphasized in the table below, which shows the number of farms, the acres of land in farms, and the total value of all farm real estate for the years 1920 to 1930, together with the per cent of increase or decrease in these items between these years.

TABLE 1.—NUMBER OF FARMS, ALL LAND IN FARMS, AND VALUE OF ALL FARM REAL ESTATE (LAND AND BUILDINGS), BY GEOGRAPHIC DIVISIONS: 1920 TO 1930

[A minus sign (−) denotes decrease]

ITEM	United States	New England	Middle Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific
Number of farms..........1930..	6,288,648	124,925	357,603	966,502	1,112,755	1,058,468	1,062,214	1,103,134	241,314	261,733
1925..	6,371,640	159,489	418,868	1,051,572	1,111,314	1,108,061	1,006,052	1,017,305	233,392	265,587
1920..	6,448,343	156,564	425,147	1,084,744	1,096,951	1,158,976	1,051,600	996,088	244,109	234,164
Per cent increase....1920–1930..	−2.5	−20.2	−15.9	−10.9	1.4	−8.7	1.0	10.7	−1.1	11.8
1925–1930..	−1.3	−21.7	−14.6	−8.1	0.1	−4.5	5.6	8.4	3.4	−1.5
Land in farms (acres)......1930..	986,771,016	14,283,197	35,047,145	110,891,179	265,487,907	86,362,715	72,817,357	183,906,346	157,450,133	60,525,037
1925..	924,319,352	15,857,927	37,490,939	112,752,458	248,081,143	88,569,458	70,606,625	165,013,316	131,689,374	54,258,112
1920..	955,883,715	16,990,642	40,572,901	117,735,179	256,973,229	97,775,243	78,897,463	173,449,127	117,337,226	56,152,705
Per cent increase....1920–1930..	3.2	−15.9	−13.6	−5.8	3.3	−11.7	−7.7	6.0	34.2	7.8
1925–1930..	6.8	−10.0	−6.5	−1.7	7.0	−2.5	3.1	11.4	19.6	11.6
Value of all farm real estate (dollars).................1930..	47,879,838,358	940,713,496	2,817,767,499	9,336,790,560	15,158,529,566	3,852,078,803	2,685,363,866	5,806,150,535	2,458,482,740	4,823,961,293
1925..	49,467,647,287	905,627,334	2,799,833,755	11,023,659,414	16,530,890,649	4,098,944,308	2,480,829,540	4,959,433,415	2,172,981,933	4,495,446,939
1920..	66,316,002,602	917,468,584	3,002,137,754	14,937,641,671	24,469,495,169	5,201,773,472	3,663,693,363	6,291,188,072	3,163,187,783	4,669,416,734
Per cent increase....1920–1930..	−27.8	2.5	−6.1	−37.5	−38.1	−25.9	−26.7	−7.7	−22.3	3.3
1925–1930..	−3.2	3.8	0.6	−15.3	−8.3	−6.0	8.2	17.1	13.1	7.3

From the data shown in the above table it may be observed that during the decade 1920 to 1930 the total value of all farm real estate for the United States, as a whole, declined from $66,316,000,000 to $47,880,000,000, which represented a capital loss to agriculture of $18,436,000,000, or nearly 28 per cent. This loss was distributed among all of the geographic divisions of the country, except the New England and Pacific divisions. The greatest losses occurred in the West North Central and East North Central divisions, where the total value of all farm real estate declined 38.1 and 37.5 per cent, respectively. The New England and Pacific divisions, on the other hand, were the only regions in the entire country for which the 1930 figures for the total value of farm real estate showed gains of 2.5 and 3.3 per cent, respectively, over those for 1920. A study of the phenomena of this increase, as small as it is, for the New England States, coupled with an investigation of the rates of decrease in the number of farms (20.2 per cent), and in the acres of land in farms (15.9 per cent) for the same area, may lead to the suggestion of certain practices which might prove effective as future aids in maintaining the level of farm real-estate values in other sections of the country. Attention is also called to the fact that, for the New England States, the rates of decline between the years 1920 and 1930 in the number of farms, as well as in the land in farms, were the greatest of any geographic division of the country.

Another factor which makes a study of farm real-estate values important at this time is the recent movement of population from cities to farms which overbalances the movement of population in the opposite direction, that is, from farms to cities. The movement of population from cities to farms, brought about chiefly by the lack of gainful employment of large numbers of people in the manufacturing industries and other nonagricultural pursuits, has resulted in some degree in a greater demand for farm land.

Finally, a study of farm real-estate values in New England is of particular importance, by reason of the fact that since 1920 the general trend of these values as indicated by the State averages shown in Table 8, appears to have been upward, as compared with the downward trends for all other divisions of the country, except the Middle Atlantic division. This upward trend in New England gives rise to an inquiry concerning its significance. The question is raised as to whether the upward trend reflects a corresponding degree of agricultural prosperity, or whether it reflects the effect of such factors as the encroachment into agricultural areas of nonagricultural industries, suburban and recreational developments. Such developments may have been sufficient to more than counterbalance either declining, or possibly, slowly rising values in some of the strictly agricultural sections of the New England States.

Purposes of this study.—The principal purposes of this study are: 1. To point out the more significant changes in farm real-estate values in New England from 1850 to 1930, and to compare these changes with the changes in other geographic divisions and the United States, as a whole, over this same period. 2. To point out the more significant changes in farm real-estate values in the several New England States from 1850 to 1930, and to indicate some of the relationships of the more important factors affecting these changes.

Factors affecting farm real-estate values.—The factors affecting the value of farm real estate are numerous and complex. To enumerate and adequately discuss each of them would require more space than can be devoted to such a purpose within the scope of this study. Brief statements will be made, where necessary, as data for each factor forming a part of this study are presented.

Description and limitations of the data.—Data concerning many of the factors affecting the average values per acre of farm real estate have been collected by the Bureau of the Census at each decennial census beginning with that of 1850, and at the census of agriculture made in 1925. Information regarding several of these factors is available for only a few of the census years, and some for 1930 only.

Statistics for each census beginning with that of 1850 concerning the value of land and buildings, the number of farms, total land in farms, and population data from census reports, comprise the principal information utilized to demonstrate the long-time trends, and their relationships to farm real-estate values. The data relating to the value of all farm buildings and the value of land alone, were first obtained at the census of 1900. The production value data used in this study from the agricultural census reports relating to the years 1909, 1919, and 1929, include the farm prices of agricultural products.

Farm labor and fertilizer expenditures during the years 1899, 1909, 1919, 1924, and 1929, the two items of farm expense most closely related to farm real-estate values, also tend to throw some light on the changes in the values of farm real estate. Statistics concerning cash rent, which are used in this study to represent farm income, are utilized from the reports of the 1930 agricultural census only. The kind of road adjoining each farm was called for on the schedules of the last two censuses, 1925 and 1930; while data pertaining to such farm facilities as telephones, water piped into houses, and the number of houses lighted by electricity were obtained at the censuses of 1920 and 1930. The data concerning the value of the dwelling of the farm operator, value of products sold, traded, or used by operator's family, and type of farm (in a detailed way) were obtained at the 1930 census only.

Some of the above-mentioned data are shown in the several tables in this bulletin for each of the geographic divisions, and practically all of the figures are presented for each of the States and counties in New England. Data pertaining to the value of all farm real estate are also shown by type of farm and agricultural and industrial areas. The basic figures for some of the information are purposely omitted due to space limitations. With but few exceptions, however, the basic figures have been published in the various reports of the Bureau of the Census.

Nearly all of the data obtained from census reports were secured by enumerators, who, supplied with the farm and population schedules, visited individual farms and families to obtain the required information. The definitions of most of the terms, together with more detailed statements concerning the limitations of the data used in this study may also be found in previous census reports. Mention should be made, however, concerning the data for the prices of crops harvested and livestock products, nearly all of which, for the years 1919 and 1929, are based on the average prices estimated in cooperation with the Division of Crop and Livestock Estimates, United States Department of Agriculture. The unit values of all crops and livestock products for 1909 were derived directly from the reported figures on the agricultural census schedules. The unit values for the 1919 crops and livestock products, were estimated by States only. The census price estimates relating to the 1929 crops and livestock products were made by counties for the first time, whenever the number of reports received was adequate to serve as a sufficiently large and representative sample for estimation purposes.

Plan of the study.—In order to present briefly, yet clearly, the significant changes in farm real-estate values in New England from 1850 to 1930, and to facilitate the comparison of these changes with those in other geographic divisions and the United States, as a whole (Chapter I), tables and graphic illustrations showing the average values per acre of farm real estate are used. Index numbers of these average values, using the 1910 census data as a base, are also utilized to show the trends of the values throughout the period.

The more important data and discussions relating to the second purpose of this study are included in Chapter II, and additional statistics appear in the appendix following Chapter III. Several maps based on data computed for each minor civil division are presented to show the geographic relationships of the various sections of New England without regard to county boundaries, both for the value of farm real estate and for some of its more important related factors. Figures, however, for many items, were available by counties only.

A brief summary of the facts presented in Chapters I and II is included in Chapter III.

CHAPTER I

NEW ENGLAND AND OTHER GEOGRAPHIC DIVISIONS

All farm real-estate values: 1850 to 1930.—Data showing the average value of all farm real estate (land and buildings) per acre, 1850 to 1930, together with index numbers of the averages for the United States and the several geographic divisions, are presented in Table 2. Charts showing trends of these average values are presented in Figure 1. The measurement of changes in these averages over the same period as shown by percentages of the average, with the United States taken as a base, appear in Table 3. A brief historical study from census reports of the average value per acre of all farm real estate for the United States as whole, indicates a rather steady, and sometimes even a rapid increase in these values from 1850 to 1890. Only one important decline, that from 1860 to 1870, is noted during this 40-year period, and this recession is obvious only when the reported values are expressed in terms of dollars of uniform purchasing power (deflated values). The reported values show that farm real estate for the country as a whole advanced from $11.14 per acre in 1850 to $21.31 in 1890, an increase of over 90 per cent.

Rapid increases in farm-land values in the Middle Atlantic, East North Central, West North Central, Mountain, and Pacific divisions, together with more moderate increases in all other geographic divisions of the country, comprise the outstanding changes from 1850 to 1890. The increases as shown for the United States as a whole were chiefly influenced by the steady increase in the utilization and improvement of land for agricultural purposes in these regions. More than one-fifth, or 21 per cent, of the acreage of all land in farms in the United States was located in the East and West North Central divisions, and more than 6 per cent in the New England States, in 1850. By 1890 the total farm acreage had more than doubled in the former region and comprised more than two-fifths, or 41 per cent, of all land in farms in the United States; while the percentage for the New England States declined to about 3 per cent. In 1850 more than one-fifth, or 23 per cent, of the total value of all farm real estate in the United States was located in the two North Central divisions, and by 1890 more than one-half, or 53 per cent, of such value was located within this same area. The total value of all farm real estate in the New England States comprised 11 per cent of the total for the United States in 1850 and had decreased to about 4 per cent by 1890. The average value of all farm real estate per acre of all land in farms was $13.38 for the East North Central division, and $6.40 for the West North Central division in 1850; as compared with $38.77 for the former division and $19.68 in the latter in 1890. Average farm real-estate values for the New England States increased from $20.27 per acre to only $24.78 during the period. Table 3 shows the average values of all farm real estate per acre as percentages of the total for the United States, the Middle Atlantic States were highest in 1850 with 264 per cent and the Pacific States lowest, with 14 per cent; the percentage for the New England States being 182. In 1890, the average value per acre for the Middle Atlantic States was 224 per cent of the average for the United States, the West South Central group was lowest with 37 per cent, while the percentage for the New England States was 116.

The effect of the important economic events of the period 1850 to 1890 may be traced in Table 2. Before 1850, farming operations were conducted on a relatively small scale in comparison with later periods, except in the cotton areas. Due chiefly to inadequate railroad facilities and the lack of other means of rapid transportation, agricultural operations were generally limited to supplying the needs of the producer, the demand of local markets within easy wagon-haul distance and those general markets accessible by means of water.

In 1850, near the accessible markets located in the New England and Middle Atlantic division, higher average values prevailed than in any other section of the country. The average value of all farm real estate per acre for New England in 1850 was $20.27, and for the Middle Atlantic States was $29.42, whereas values in other geographic divisions were much lower, and ranged from $13.38 per acre for the East North Central division to as low as $1.55 per acre for the Pacific division. The New England and Middle Atlantic divisions had more mileage of railroads and canals in operation than any other section of the country in 1850.

Farm land in these two divisions together comprised 18.8 per cent of the total farm acreage of the United States and represented 44.5 per cent of the total value of all farm real estate in 1850; 6.3 per cent of the farm land and 11.4 per cent of the total value of all farm real estate being located in the New England States. The fact should not be overlooked, however, that farm real-estate values within the New England and Middle Atlantic divisions present a considerable range of values due chiefly to the location of farm lands with reference to the distance from cities and industrial areas of comparatively greater density of population and the great diversity of topographical soil and climatic conditions. The range in average values within the New England States is more clearly shown by reference to Table 8. The highest average values of all farm real estate per acre of farm land in the United States, except for the District of Columbia, were found in the State averages for Massachusetts with an average value per acre of $32.50, Rhode Island with $30.82, Connecticut, $30.51, New York, $29, New Jersey, $43.68 and Pennsylvania with $27.33. In these States a relatively larger proportion of farm lands were located near the more densely populated cities and industrial areas, as compared with farm lands in Maine, New Hampshire, and Vermont, where farm real-estate values were much lower, being $12.04, $16.29, and $15.36, respectively, for the three States.

Some of the outstanding historical events which took place during the 40-year period, 1850 to 1890, and which undoubtedly contributed to the steady increase in farm real-estate values during these years should be briefly mentioned. During the decade 1850 to 1860 horse-driven machinery for cutting and threshing grain was introduced, revolutionizing the methods of work on grain-producing farms throughout the country. Railroad and water transportation from the Central West to the seaboard and intervening markets brought to the farmers of this section the markets of the world, as well as a wider market in the United States. Assisted by congressional land grants the total railroad mileage for the United States increased from 9,021 in 1850 to 30,626 in 1860, a gain of 239 per cent.[1] These factors stimulated the more rapid settlement of the North Central States, as did the repeal of the corn laws of Great Britain and the rapid development of manufacturing, particularly of cotton cloth, in that country. The discovery of gold in California and Australia, and the attendant increase in the production of that metal contributed to the rise in the whole scale of prices, which, together with the increased influx of immigrants to the United States, gave a great impetus to American agriculture. Relatively cheaper and better agricultural land in the Middle West and Southwest caused large numbers of people, particularly immigrants and New England farmers, to move westward and take up land. Westward migration was also stimulated by the discovery of gold on the Pacific coast. The decade 1850 to 1860 may be generally described as a period of general business prosperity, marked by only a minor recession in 1853 and 1854.

---

[1] Railroad construction data presented here and in the following pages were obtained from Principles of Railway Transportation, by Eliot Jones, 1931.

Great changes in agriculture marked the next decade, 1860 to 1870. Farm real-estate values advanced at a much slower rate than during the 10-year period immediately preceding, as shown by the data presented in Table 2, in which the index of farm real-estate values advanced 5 points from 41 to 46 per cent of the 1910 average for the United States as a whole, in comparison with an advance of 13 points during the decade immediately preceding. The outstanding factor which influenced farm real-estate values, both directly and indirectly, during the decade 1860 to 1870 was the Civil War. There was an increased market demand for food in the North for the armies. The supply of labor was diminished at the beginning of the decade, but was later increased by the continuance of the immigration movement, begun in the preceding decade. Agricultural production was further extended in the North, being encouraged chiefly by further extension of the railway net. Railroad mileage for the country as a whole increased from 30,626 in 1860 to 52,922 in 1870, an increase of 73 per cent. The Union Pacific Railroad was completed in 1869, opening a new means of transporting western farm produce to the markets of the East and to eastern ports for shipment to European markets. Congressional acts in 1862 and 1864 provided additional land grants to railroads and served to attract the required capital for their construction. In 1862 the homestead law facilitated the acquirement of farm lands by settlers coming chiefly from the East, particularly soldiers of the northern armies. Farm-land values, as indicated by the average values and index numbers in Table 2, advanced most rapidly in the Middle Atlantic, East North Central, West North Central, Mountain, and Pacific divisions, while decreases occurred in each of the southern divisions. Average farm real-estate values for New England as a whole remained practically stationary, although some sections, notably those for New Hampshire, Massachusetts, and Rhode Island even showed slight decreases. The situation with respect to New England was influenced by the westward migration of its young farmers, who in many instances abandoned many less productive, rocky, New England farms for the better agricultural lands to the westward, and by the increased competition of the cheaper and more fertile grain lands of the West. The growing demand for American agricultural products in European markets and the ability of American agriculture to supply this demand checked further decreases of farm-land values in the New England States, by maintaining relatively high prices for agricultural products throughout the country.

The decline in farm real-estate values in the South during the period 1860 to 1870 was directly due to the results of fortunes of war. The destruction of the markets of the South, loss of investments in slaves, the deterioration and abandonment of large areas of farm land, bankruptcy of planters and the destruction of their credit, the lack of working capital, and the general paralysis of business throughout the South, all contributed toward the general decline in that region.

Attention should be called to the inflation of the currency during the period 1862 to 1873, for when the currency of that period is expressed in terms of paper money, advances and declines in values are misleading. The values shown in all accompanying tables for the year 1870 have, therefore, been converted to the gold basis for the purpose of obtaining better comparability of the data.

From 1870 to 1880 the program of railroad construction of the latter part of the preceding decade was continued. Total number of miles of railroad increased from 52,922 to 93,262, an increase of 76 per cent for the country as a whole. Most of the railroad construction took place in the Northern and Western States. Immigration was stimulated by the new land which became available for settlement in the West, and by the fact that produce for that region could reach the markets of the world by means of more rapid transportation by railroad. A large proportion of the immigrants also settled in the North Central States. The opening of new markets for agricultural produce abroad served to increase the total value of agricultural exports.

The development in the early seventies of an improved process for milling wheat, particularly the hard winter wheat of the Northwest, was another factor which exerted an influence upon the price of all wheat, consequently increasing farm profits and the demand for farm land in Minnesota and the Dakotas. By the close of the decade 1870 to 1880 readjustments had taken place in the South, particularly in the cotton areas, following the devastations of the Civil War. The renewed demand for cotton for the textile mills at home and abroad increased the demand for the new cotton lands of the South and Southwest, particularly in Texas. The rapid development of the beef-cattle industry in the West and Southwest, aided by the use of the public domain for grazing purposes, together with better means of transporting cattle and beef to the East coast and increased European demand for American meat products, also served to accelerate the rise in farm real-estate values in Texas and other western cattle-raising regions. The depression of 1873, with its attendant industrial unemployment sent many workers back to the land as a means of gaining a livelihood. Railroads were reorganized and rates lowered, so that farmers in western producing areas were enabled to more successfully compete with eastern farmers in eastern markets.

Excluding the Mountain States, which showed the most rapid increase in the average value of all farm real estate per acre during the decade 1870 to 1880, the greatest advances occurred in the South Atlantic, New England, West South Central, East North Central, and Pacific divisions. The rise in the index numbers of all farm real-estate values for these divisions ranged from 9 points in the case of the South Atlantic group to 6 points for the East North Central States. The changes for the remaining divisions were of less significance.

General business conditions of the period 1870 to 1880 were characterized by a minor recession, followed by a mild revival, during the early part of the decade. Then came the panic of 1873, followed by nearly five years of business depression, from which there was little or no recovery until 1879.

During the next 10-year period, 1880 to 1890, the forces which tended to influence farm real-estate values in the West and South during the preceding decade continued to operate. The total railroad mileage for the country as a whole increased from 93,262 to 163,597, an increase of over 70,000 miles, or 75 per cent, for the decade, making the total mileage more than three times that in operation in 1870. The larger proportion of railroad mileage was constructed in the West and South, and transportation rates were further lowered. The refrigerator car, which had been introduced in 1869, began to be more extensively used during the later seventies. The wider use of improved farm machinery further aided in reducing production costs in the West. The increased competition from the West, as a result of the influence of these factors, including the effect of the entry of dairy products from the North Central and Western States into the dairy markets of the East, tended to lower the value of farm lands, which were formerly in greater demand as wheat lands or grazing lands for dairy herds in the New England and Middle Atlantic divisions. The reported average value of all farm real estate for the New England States, as a whole, declined from $27.03 per acre in 1880 to $24.78 in 1890. All New England States except Maine show decreases in farm real-estate values during the period 1880 to 1890, indicating the extent to which refrigeration, lower freight rates, and better transportation facilities had brought the West into more powerful competition, not only for eastern markets, but for European as well. The decline for the Middle Atlantic division was not of sufficient magnitude to be significant.

The same factors which operated adversely to the farm real-estate values in the New England and Middle Atlantic States during the 1880 to 1890 period proved a force in increasing those of all other sections of the country, except in the Mountain States. The Pacific division, which showed the most rapid increase, advanced from $14.98 to $22.57 per acre, or more than 50 per cent. The period 1880 to 1890 was one of general business recession from 1881 to the early part of 1885, business recovery from 1885 to 1887, followed by a slight recession in 1888, and recovery in 1889. General business conditions reached a higher point in 1890 than in 1880.

Farm real-estate values during the decade 1890 to 1900 were influenced by the panic of 1893 and by the period of industrial depression during the years which followed. During the latter part of 1890, business conditions receded somewhat from the high point attained during the early part of that year, and the recession continued into the early part of 1891. A revival of business occurred during the latter half of 1891 and throughout the year 1892. The period 1893 to 1900 was one of depression followed by slow revival from the low point reached in 1893, so that by the close of the decade business conditions were much lower than in 1890. The depression period was characterized by exceptionally low prices for staple agricultural products. The effect of low prices are reflected in the decline in the trend of the average value of all farm real estate per acre for the United States as a whole, and for the Middle Atlantic, West South Central, Mountain, and Pacific States, and the slightly retarded upward trends in the North Central, South Atlantic, and East South Central States, as compared with those of the preceding decade.

The westward movement of agriculture continued during the decade 1890 to 1900. The total acreage of land in farms in the East and West North Central States, considered as one area, comprised 41 per cent of the acreage of all land in farms in the United States at the beginning of the decade, but declined to 38 per cent by 1900. Similar data for the New England States show a decline from 3.2 per cent in 1890 to 2.5 per cent in 1900. The farm acreage in the West South Central, Mountain, and Pacific States, considered as one area, comprised only 20 per cent of the acreage of all land in farms in 1890, but this figure increased to 32 per cent by 1900. The two North Central divisions continued in the lead with reference to the total value of all farm real estate, and the ratio of total value of all farm real estate for that region to the total for the country increased from 53 per cent to 58 per cent during the decade. It should be noted that in 1870 and 1880 the East North Central group reached its highest point of 36 per cent of the total value of all farm real estate of the United States and began a decline from that percentage in 1890, which has continued gradually with each succeeding census. The total value of all farm real estate for New England as a whole showed a further decline from 3.69 per cent to 3.18 per cent of the total for the United States from 1890 to 1900.

The New England States alone show a positive upward trend in the average values of all farm real estate, as compared with the decline which took place in this region during the period 1890 to 1900. A part of the decline in the average values of farm real estate per acre in the West South Central, Mountain, and Pacific States may be attributed to the inclusion as farm land in the reports for the census of 1900 land which, prior to that time, formed a part of the public domain and which was of comparatively low value.

During the decade 1890 to 1900 there was considerable development of parts of Florida and California for fruit growing, as well as normal expansion of urban areas around the large cities of the country for market garden purposes, which tended to advance farm real-estate values in these sections. Outside of these areas, however, there was a general downward tendency of farm real-estate values, which would probably have reached a still lower level had not the depression of 1893 discouraged the movement of farm population to the cities, where the demand for labor was lowered by the slackening of industrial activity. The increase in railroad construction between 1890 and 1900 from 163,597 to 193,346 miles,[2] was less than that from 1870 to 1880 and less than even half that of the decade 1880 to 1890, partly due to the fact that the main lines of railroad had been provided by the rapid development of the preceding 20 years and partly to industrial depression following the panic of 1893. Of equal importance, probably, with the railroad construction of this decade was the further decline in freight rates, improved carrying facilities, and beginning of the regulation of railroads by Federal authority.

The next 20 years witnessed the most rapid rise of farm real-estate values this country has ever known. The index of the reported average values of farm real estate per acre, for the United States as a whole, advanced 50 points during the first half of this period and rose 75 points from 1910 to 1920, or from $19.81 to $39.60 per acre from 1900 to 1910, and from $39.60 in 1910 to $69.38 in 1920. The year 1920 marks the peak of farm real-estate values per acre for the country as a whole, for the entire period 1850 to 1930. New England farm real-estate values increased at a slower rate than those for the United States as a whole, gaining 29 points from 1900 to 1910 and 48 points from 1910 to 1920, an increase in the reported average values from $25.71 to $36.45 for the earlier period and from $36.45 to $54 for the latter. All geographic divisions, except the West North Central States, reported increased average farm real-estate values per acre with each succeeding census during the 20-year period, the South Atlantic, East South Central, and West South Central States taking the lead in the rapidity of increase. When the reported average values are expressed in terms of dollars of uniform purchasing power in comparison with the year 1910 for this period, however, farm real-estate average values indicate a much more modified rate of increase than is shown by the reported values. These deflated values show a decrease of 1 point in the index of the average value for the Middle Atlantic States and an increase of only 7 points for the New England States. Other geographic divisions show upward movements of the index which ranged from 26 in the East North Central States to as high as 57 in the Mountain States. When similar allowance is made for the fluctuation in the value of the dollar between 1910 and 1920, all divisions, except the South Atlantic and East South Central States, show decreases in the average value of all farm real estate per acre.

Expressed in percentages of the average value of all farm real estate per acre for the United States as a whole, New England declined from 130 per cent in 1900 to 92 per cent in 1910, and by 1920 had declined to 78 per cent. The East North Central States had the highest average values relative to the average value for the United States, at both the 1910 and 1920 censuses, with 190 per cent in 1910 and 183 per cent in 1920. The West South Central group was lowest in 1910 with 47 per cent, and the Mountain division was lowest in 1920 with 39 per cent. The three last-mentioned divisions occupied the same relative positions among the geographic divisions of the country at each census during this 20-year period in respect to the reported average values. In 1910 and 1920 the East North Central group ranked highest with $75.25 per acre in 1910 and $126.87 in 1920. The West South Central group reported the lowest average value per acre, $18.50, of any division in 1910, and in 1920 the Mountain division was lowest at $26.96 per acre.

General business conditions were only slightly better in 1910 than in 1900, the upward trend from the latter part of the preceding decade being retarded by the mild depression of 1904 and panic of 1907. Business recovery began during the latter part of 1908 and reached a new peak during the first part of 1910. The general trend of business from 1910 to 1914 was that of a gradual recession, followed by a sudden decline during the latter part of 1914. The World War activity brought about a rapid revival of business and higher commodity prices during the years 1915 and 1916, so that, by the time the 1920 census was enumerated, business had reached an inflated level higher than either that of 1910 or 1900, and was at about the same level as that of the early part of 1890.

---

[2] These figures are for the fiscal year ending June 30.

The trends in business during the 20-year period 1900 to 1920 are reflected in the trends in wholesale prices of agricultural and nonagricultural commodities. By converting the index numbers of wholesale prices of all commodities, as published by the United States Bureau of Labor Statistics,[3] to 1910 as the base year (100 per cent) the price index was 76 in 1900. By 1920, however, this index had risen to 211, the highest point of any of the census years under consideration. Comparisons with indiçes of prices of agricultural and nonagricultural commodities published by the same bureau show the similarity in trends between these prices and the trends in the index of the average value of all farm real estate. The price index of agricultural products, computed from census data as presented in Table 30, shows the upward trend in farm prices for the New England States as a whole and for each of the New England States during the period 1909 to 1919. Taking 1909 as the base year (equal to 100 per cent) the farm price index for 1919 was 217, for New England as a whole, when 39 principal crops and 9 principal livestock products are used in the computations.

During the period 1900 to 1920 new railroad construction proceeded at a slower rate than during the 20-year period immediately preceding. From 1900 to 1922 the total railroad mileage for the country increased from 193,346 to 250,480 miles, an increase of slightly over 57,000 miles as compared with the increase of more than 100,000 miles from 1880 to 1900. In fact, between the years 1916 to 1922 more mileage was abandoned than constructed. The decline in railway construction may be attributed in part to the unfavorable economic conditions operating against the advisability of undertaking new construction during the war and postwar periods and in part to the construction of better highways and the competition for the railroads which came through the ever-widening use of automobiles and trucks as a means of transporting farm produce to markets. The latter two factors have been important in enabling producers to reduce marketing costs, and which, in turn, have undoubtedly exerted no small influence upon farm real-estate values.

From 1920 to 1930 there was a downward trend in farm real-estate values for the country as a whole. As compared with an average value of all farm real estate of $69.38 per acre for the United States in 1920, the average value was $53.52 in 1925, and $48.52 in 1930. As compared with the base year, 1910, the index for this value stood at 135 in 1925, and 123 in 1930; whereas in 1920 it was 175 per cent. Average values of farm real estate continued to advance during this same period in the New England and Middle Atlantic divisions.

For New England the average value increased from $54 to $57.11, or 9 points in the index, from 1920 to 1925; and rose to $65.86, or 24 points in the index, during the latter half of the decade. In the Middle Atlantic division the rate of increase was less rapid, but average values increased from $73.99 per acre in 1920 to $74.68 in 1925, and reached $80.40 in 1930, a rise of 11 points in the index during the entire decade. These two divisions alone show increased average values of farm real estate from 1920 to 1925, and from 1925 to 1930 increases occurred in the two South Central divisions, as well as in the New England and

---

[3] Bureau of Labor Statistics Bulletin No. 543, September, 1931.

Middle Atlantic States, when the values as reported are considered. Expressed in terms of dollars of uniform purchasing power (deflated values), average farm real-estate values show increases for all geographic divisions, except the Mountain States, from 1920 to 1925, and increases in all geographic divisions, except the two North Central divisions, from 1925 to 1930. The greatest decline in the values as reported took place in the West North Central group in the decade 1920 to 1930. This group of States includes Iowa, where the tremendously inflated farm real-estate values of 1920 suffered greater loss than did other sections during the depression of 1921 and the years of reconstruction which followed.

In 1930 the highest average value per acre for any group of States relative to its 1910 average was found in the South Atlantic division, with an index of 186, and lowest in the Mountain States, with an index of 70. The index for the New England States was 181.

When viewed as a percentage of the average value of all farm real estate per acre for the United States, New England increased from its lowest point, 78, reached in 1920, to 107 in 1925 and 136 in 1930. The percentage for the Middle Atlantic division also increased from the lowest point, 107 per cent reached in 1920, to 140 in 1925, and 166 in 1930.

The rate of increase in the number of acres of all land in farms for the United States had rather abruptly retarded between 1900 and 1910, coincident with the almost complete utilization of all of the good agricultural land available in the public domain. From 1920 to 1930 the increase in all land in farms, 3.2 per cent, for the United States as a whole, was the lowest rate of increase noted in census reports since the 1860–1870 decade. Decreases in farm land were reported in five geographic divisions as follows: New England, 15.9 per cent; Middle Atlantic, 13.6 per cent; East North Central, 5.8 per cent; South Atlantic, 11.7 per cent; and East South Central, 7.7 per cent. Increases occurred in the remaining divisions as follows: West North Central, 3.3 per cent; West South Central, 6 per cent; Mountain, 34.2 per cent; and Pacific, 7.8 per cent. At the same time, the westward movement of agriculture continued, as indicated by the fact that farm land in the combined East and West North Central States comprised 39.1 per cent of all farm land in the United States in 1920, and formed but 38.1 per cent of the total in 1930; whereas, the farm land located in the West South Central, Mountain, and Pacific divisions, considered as one area, comprised 36.3 per cent of all farm land in the country in 1920, and 40.7 per cent in 1930. For the first time during decades 1850 to 1930, a larger proportion of all farm land in the country was located in the three Western divisions than in the East and West North Central groups of States. All land in farms in New England comprised but 1.8 per cent of the total for the United States in 1920, and by 1930 this percentage had been lowered to 1.5.

With regard to the total value of all farm real estate (land and buildings), the continued westward movement of agriculture is noted for the decade 1920 to 1930. In 1920 about 59 per cent of the total value of all farm real estate in the United States was located in the area comprising the East and West North Central States. By 1930, this percentage had declined to 51.2; while, notwithstanding the lowered purchasing power of currency, the group of States comprising the West South Central, Mountain, and Pacific divisions increased its proportion of the total value of all farm real estate in the United States during the decade from 21.3 to 27.3 per cent. For the New England States a slight gain is observed in the per cent which the total value of all farm real estate formed of the total value for the entire country. In 1920, total farm real-estate values in New England formed 1.38 per cent of the total value for the United States. In 1930 this percentage had increased to 1.96. The 10-year period, from 1920 to 1930, one of readjustment and lower prices for farm products, was particularly marked by the loss in value to all farm real estate for the United States as a whole, partly due to the deflation of monetary values. The total value of all farm real estate for the United States as a whole declined $18,436,164,244, or 27.8 per cent. Most of this loss in value occurred during the first half of the decade, even though the total number of acres of all land in farms increased. The New England and Pacific divisions were the only two groups of States in the country, as shown in Table 1, where actual increases in the total value of all farm real estate occurred.

The prosperous condition of business with its attendant inflated values and prices of agricultural products; and the high purchasing power of the dollar which, prevailing in 1919 and during the early part of 1920, suddenly declined with the major depression of 1921. This business depression was followed by a slow upward trend, retarded by a mild recession in 1923 and 1924, until the middle of 1929, when another recession began, which has terminated in the present severe economic depression. While the farm prices of agricultural products began to decline in August, 1929, the fact that farm real-estate values lag considerably behind changes in the trends of farm prices, prevents the full disclosure of the effect of the lower 1929 farm prices upon farm real-estate values

TABLE 2.—AVERAGE VALUE AND INDEX NUMBER OF ALL FARM REAL ESTATE (LAND AND BUILDINGS) PER ACRE, BY GEOGRAPHIC DIVISIONS: 1850 TO 1930

[For index numbers 1910 base=100 per cent]

YEAR	UNITED STATES		NEW ENGLAND		MIDDLE ATLANTIC		EAST NORTH CENTRAL		WEST NORTH CENTRAL	
	Average value per acre	Index number	Average value per acre	Index number	Average value per acre	Index number	Average value per acre	Index number	Average value per acre	Index number
1930	$48.52	123	$65.86	181	$80.40	142	$84.20	112	$57.10	114
1925	53.52	135	57.11	157	74.68	132	97.77	130	66.64	133
1920	69.38	175	54.00	148	73.99	131	126.87	169	95.22	191
1910	39.60	100	36.45	100	56.56	100	75.25	100	49.92	100
1900	19.81	50	25.71	71	43.45	77	42.23	56	23.14	46
1890	21.31	54	24.78	68	47.68	84	38.77	52	19.68	39
1880	19.02	48	27.03	74	47.80	85	34.31	46	14.83	30
1870	18.26	46	23.92	66	47.69	84	30.27	40	15.55	31
1860	16.32	41	23.68	65	40.17	71	23.88	32	11.20	22
1850	11.14	28	20.27	56	29.42	52	13.38	18	6.40	13

YEAR	SOUTH ATLANTIC		EAST SOUTH CENTRAL		WEST SOUTH CENTRAL		MOUNTAIN		PACIFIC	
	Average value per acre	Index number	Average value per acre	Index number	Average value per acre	Index number	Average value per acre	Index number	Average value per acre	Index number
1930	$44.60	186	$36.88	173	$31.57	171	$15.61	70	$79.70	165
1925	46.28	193	35.14	165	30.05	162	16.50	74	82.85	172
1920	53.20	222	46.44	218	36.27	196	26.96	122	83.16	172
1910	23.96	100	21.32	100	18.50	100	22.16	100	48.28	100
1900	11.57	48	11.49	54	6.45	35	7.30	33	20.17	42
1890	11.34	47	10.47	49	7.91	43	13.45	61	27.57	57
1880	8.79	37	8.82	41	5.36	29	14.61	66	14.98	31
1870	6.77	28	8.20	38	4.08	22	5.11	23	11.58	24
1860	9.47	40	12.43	58	8.70	47	2.78	13	5.93	12
1850	6.17	26	6.35	30	5.64	30	5.83	26	1.55	3

as shown by the Census of 1930. The United States wholesale price index of all commodities[4] declined from 211 points in 1920 to 140 in 1925, and by 1930 it had dropped to 124. For the New England States, using 1909 as the base year (equal to 100 per cent) the farm price index in 1919 was 217, and by 1929 it had declined to 166. (See Table 30.)

There was a further decline in railroad construction during the decade 1920 to 1930. The decline in railroad construction resulted in a deficiency of transportation facilities which has been offset by more extensive use of automobiles and trucks, together with the increase in construction of hard surface roads, and further improvements in railroad carrying equipment has somewhat revolutionized the methods of marketing farm produce. Considerable Federal legislation also was enacted during this period which was designed to place agriculture on an economic basis more nearly equivalent to other industries. All of these factors have exerted some influence upon farm real-estate values.

TABLE 3.—MEASUREMENT OF THE CHANGES IN THE AVERAGE VALUE OF FARM REAL ESTATE (LAND AND BUILDINGS) PER ACRE, IN PERCENTAGES OF THE AVERAGE WITH THE UNITED STATES AS BASE (100), BY GEOGRAPHIC DIVISIONS: 1850 TO 1930

YEAR	United States	New England	Middle Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific
	Per cent	*Per cent*	*Per cent*	*Per cent*	*Per cent*	*Per cent*	*Per cent*	*Per cent*	*Per cent*	*Per ct.*
1930	100	136	166	174	118	92	76	65	32	164
1925	100	107	140	183	125	86	66	56	31	155
1920	100	78	107	183	137	77	67	52	39	120
1910	100	92	143	190	126	61	54	47	56	122
1900	100	130	219	213	117	58	58	33	37	102
1890	100	116	224	182	92	53	49	37	63	129
1880	100	142	251	180	78	46	46	28	77	79
1870	100	131	261	166	85	37	45	22	28	63
1860	100	145	246	146	69	58	76	53	17	36
1850	100	182	264	120	57	55	57	51	52	14

Value of all farm buildings and farm land: 1900 to 1930.—Beginning with the year 1900, statistics pertaining to the value of all farm buildings have been collected at each subsequent agricultural census. The total value of farm land (excluding buildings) was obtained by deducting the value of all farm buildings from the total value of all farm real estate (land and buildings combined), and this result was divided by the total number of acres of all land in farms, to obtain the average value of land alone per acre. The changes and trends in the average value of all farm buildings per acre for the United States as a whole, and for each geographic division are presented in Table 4, and in Figure 2. Data pertaining to the average value of land alone per acre are shown in Table 5, and in Figure 3. In Figure 2 are plotted the trends (in percentages of the 1910 average) of the average value of all farm real estate per acre, together with similar trends for the average value of farm buildings. In Figure 3 are plotted the trends (in percentages) of the average value of all farm real estate per acre and of farm land alone. These charts serve to illustrate the relationships between the trend of each factor and the trend of the combined value of all farm real estate.

Some of the important factors which affected farm real-estate values during the period 1900 to 1930 were mentioned previously in this chapter. Changes and trends in the average values per acre of the two items, all farm buildings and farm land (excluding buildings) will, therefore, be only briefly pointed out here.

---

[4] Bureau of Labor Statistics all commodity index of wholesale prices converted to 1910 base=100.

From 1900 to 1910 the average value of all farm buildings as reported for the United States, as a whole, increased from $4.24 per acre to $7.20, an increase of 41 points in the index when 1910 is used as the base year (equal to 100 per cent).

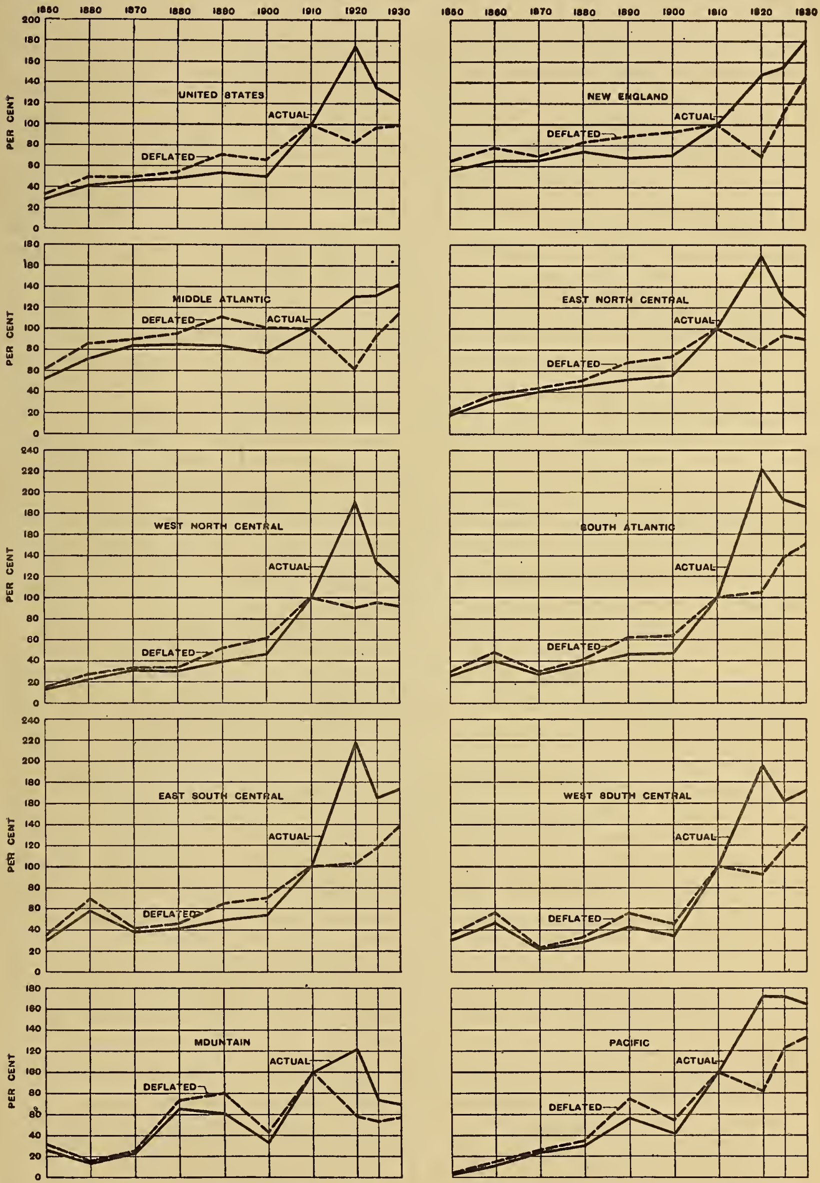

FIGURE 1.—TREND IN THE AVERAGE VALUE OF FARM REAL ESTATE (LAND AND BUILDINGS) PER ACRE, IN PER CENTS (1930=100), FOR THE UNITED STATES, AND THE GEOGRAPHIC DIVISIONS: 1850–1930

The average value of all farm buildings for the New England States was $11.91 per acre in 1900, and increased to $17.06 in 1910, or 30 points as shown by the index. The most rapid increase in the average value of all farm buildings per acre occurred in the West South Central division, where the average value of $1.05 per acre in 1900 was the lowest recorded for any other section of the country. For this division the index for the average value of land and buildings per acre rose 57 points from 1900 to 1910. The lowest rates of increase in the average value of land and buildings per acre took place in the Middle Atlantic and New England groups, with rises of 28 and 30 points of the index, respectively. In these two divisions the average values were higher in 1900 than other sections of the country. Expressed in percentages of the average value for the United States equal to 100 per cent, the Middle Atlantic and New England groups show decreases during the decade from 383 to 315 per cent for the former, and from 281 to 237 per cent for the latter division. The averages for all other geographic divisions increased in relation to the United States average. Comparing the index numbers in Table 2 with those in Table 4 it will be observed that the rise in the average values of all farm real estate per acre for the United States as a whole was at a more rapid rate during the decade 1900 to 1910, than the rise in the average value of farm buildings. This observation is also noted in the case of all geographic divisions except the New England and Middle Atlantic groups, (see fig. 2) where the rates of increase in the average values of all farm buildings exceeded those for the average values of all farm real estate. Attention is also called to the fact that the rates of increase in the average values of all farm buildings were more moderate for the New England and Middle Atlantic groups than for the United States as a whole, while the opposite observation holds true in comparing the 10-year trends of all other geographic divisions with the rate of increase for the United States as a whole. These facts are illustrated in Figure 2, with reference to comparisons between the trends in the average values for the New England States and the United States as a whole.

During this same decade, 1900 to 1910, the average value of all farm land (excluding buildings), for the United States as a whole, as computed from reported values, increased from $15.57 per acre to $32.40, an increase of 52 points in the index. This increase may be compared with the more moderate increase of 41 points in the average value of all farm buildings, and 50 points in the average value of all farm real estate (land and buildings combined) for the United States. An examination of the data pertaining to the total amounts of increase in values show that during this period, for the United States as a whole, the increase in the value of farm land (excluding buildings) was a much more powerful factor toward influencing the rise in all farm real estate than was the rise in the value of farm buildings. This fact is not so evident with regard to conditions found in the New England States, where the value added to the land by improvements upon it constituted a factor nearly equal in importance to the increase in the value of land, exclusive of improvements, during this period; while for the Middle Atlantic States the increase in value of farm buildings exceeded the increase in the value of farm land alone. The average value of farm land (excluding buildings) for the New England States was $13.79 per acre in 1900 and increased to $19.38 in 1910, a rise in the index of 29 points, or only 1 point less than the corresponding increase in the index for the average values of all farm buildings, and identical with the rate of increase in the average values of all farm real estate per acre. The most rapid increase in the average value of farm land (excluding buildings) was found in the Mountain States, where the average was $6.12 in 1900 and $19.73 in 1910, a rise of 69 points in the index as compared with a more moderate rate of increase in the average value of farm buildings. The lowest rates of increase in the average value of land alone, as in the case of the average value of all farm buildings and all farm real estate, occurred in the New England and Middle Atlantic groups with rises of 29 and 20 points in the index respectively. Expressing the average values of farm land (excluding buildings in percentages of the average for the United States equal to 100 per cent, decreases in such an index are noted for the period 1900 to 1910 in the New England, Middle Atlantic, East North Central, and East South Central divisions; while increases occurred in all other sections of the country. It is significant that, whereas, the average value of all farm buildings per acre for the New England States was considerably above the average for the United States in 1900 and in 1910, the average value of farm land alone was below the average value for the country as a whole at these two census years. The index numbers in Tables 2 and 4, compared with those in Table 5, show that the rise in the average values of all farm land (excluding buildings) for the United States as a whole was at a slightly more rapid rate than the average value of all farm real estate, and was considerably in excess of the rate of increase in the average value of farm buildings. The rates of increase in the average value per acre of farm land alone were also greater than the rates of increase in the average value of all farm buildings per acre in all geographic divisions, except the New England and Middle Atlantic groups, where the average values of farm buildings per acre increased more rapidly than did the average values of farm land alone. As was found in the comparison of rates of increase of the average values of farm buildings, the rise in the average value of farm land alone was less rapid for the New England and Middle Atlantic States than for the United States as a whole. This statement applies, as well, to the rates of increase found in the East North Central and East South Central divisions. Figure 3 presents geographically the comparisons noted above for the country as a whole and for the New England States.

Attention is invited to the fact that when the average values of all farm real estate, farm buildings and farm land (excluding buildings) are deflated by the all-commodity index of wholesale prices,[5] the upward straight-line trend in these values for the period 1850 to 1930 are more moderate than indicated by the currency values. (Figs. 1, 2, and 3.)

One of the most significant facts disclosed by the average values of farm real estate for the census years 1925 and 1930 is the moderate increase at each census in the average value of all farm buildings per acre for the United States as a whole, while the average value of farm land alone declined rapidly from 1920 to 1925, and continued to decline at a somewhat more moderate rate from 1925 to 1930.

The average value of farm buildings increased from $12.02 per acre in 1920 to $12.70 in 1925, and advanced to $13.12 in 1930. At the same time land values declined from $57.36 per acre in 1920 to $40.81, or 51 points in the index, for the first half of the decade; and dropped another 17 points, or $35.40 per acre, during the latter half. Thus, in 1930 the average value of farm land per acre (excluding buildings) was only 9 points above the 1910 level, the average value of all farm real estate was 23 points above, and the average value of farm buildings per acre was 82 points above. During the decade the index of the average value of farm buildings per acre for the New England States advanced a total of 57 points, or from $25.27 per acre in 1920 to $34.99 in 1930. This increase constituted the most rapid advance shown for any geographic division except the Pacific group, which increased 71 points, or from $8.95 in 1920 to $12.18 in 1930. The Mountain division was the only group of States which did not show an increase in the average value of farm buildings for the decade, although its 1930 average was slightly above that for 1925. Average values for farm buildings declined in the East South Central, West South Central, and Mountain divisions from 1920 to 1925, but all divisions recovered with the return of more prosperous times during the latter half of the decade, with increases in average values for 1930 over the 1925 values. In 1930 the three highest average values were found in the Middle Atlantic, New England, and East North Central divisions, in the order named, and the three lowest in the Mountain, West South Central, and East South Central groups.

---

[5] Bureau of Labor Statistics all-commodity wholesale price index converted to 1910 base.

Expressed in percentages of the average value of farm buildings per acre for the United States as a whole, the averages for the New England and Middle Atlantic States showed decided recovery, and rose from 210 to 267 per cent in New England, and from 275 to 334 per cent in the Middle Atlantic States between the census years, 1920 and 1930. The East North Central, West North Central, and South Atlantic divisions were the only other groups for which the average values of farm buildings per acre were above that for the United States.

Figure 2 illustrates the divergence in the trends in the average value of all farm real estate and the average value of farm buildings for the United States and for New England during the period 1920 to 1930. For the United States as a whole, the average value of all farm real estate receded from 1920 to 1930 nearly as rapidly as it had increased during the preceding decade; while the trend of the average value of farm buildings continued upward during this period at a more modified rate than during the period 1910 to 1920. In New England, however, the situation was different in that both, the trend for the average value of all farm real estate as well as farm buildings was upward, due to the dominance for the first time, in 1925, of the total value of farm buildings over the total value of farm land alone, in that group of States.

The rapid advances in the average value of farm land alone per acre for the decade 1910 to 1920 were abruptly halted by the business depression and low prices during the early part of the 10-year period following. The New England States, alone, among the nine geographic divisions, showed a higher average value of farm land per acre in 1930 than in 1920, and even that division suffered a decline in 1925 along with all other groups. The average value of farm land per acre for the New England States decreased from $28.73 in 1920 to $26.10 in 1925, but advanced to $30.87 at the 1930 census, an increase of 11 points in the index for the decade. The East North Central States, which had maintained the position with the highest average values of farm land (excluding buildings) among all other divisions of the country during the two preceding decades, was forced into second place by the Pacific division in 1925 with an average value of $71.47 per acre. In 1930 the Pacific division still ranked first according to the average value of farm land, with an average of $67.52 per acre. In the East North Central and Mountain divisions the average values of farm land alone were below their respective averages for 1910.

The average values of farm land alone per acre for the Middle Atlantic, East North Central, West North Central, and Pacific divisions were higher in 1930, than the average for the United States. For New England, the average value of farm land (excluding buildings) per acre was only one-half that for the United States in 1920, but in 1930, it was 87 per cent of the average for the country as a whole.

The trends in the average values of all farm real estate per acre and of farm land alone as presented in Figure 3, show the more rapidly declining value of farm land for the United States from 1920 to 1930. For the New England States, the divergence in the two values from 1920 to 1925, and the recovery from 1925 to 1930 is adequately illustrated by this same chart. Only when the trends represent deflated values do the averages for the United States and for the New England States show increases from 1920 to 1930.

TABLE 4.—AVERAGE VALUE AND INDEX NUMBER OF ALL FARM BUILDINGS PER ACRE, BY GEOGRAPHIC DIVISIONS: 1900 TO 1930

[For index numbers 1910 base=100 per cent]

YEAR	UNITED STATES		NEW ENGLAND		MIDDLE ATLANTIC		EAST NORTH CENTRAL		WEST NORTH CENTRAL	
	Average value	Index number	Average value	Index number	Average value	Index number	Average value	Index number	Average value	Index number
	Per acre	*Per cent*	*Per acre*	*Per cent*	*Per acre*	*Per cent*	*Per acre*	*Per cent*	*Per acre*	*Per cent*
1930	$13.12	182	$34.99	205	$43.81	193	$28.56	205	$13.24	197
1925	12.70	176	31.01	182	39.14	172	27.09	194	13.01	194
1920	12.02	167	25.27	148	33.04	146	24.56	176	12.18	182
1910	7.20	100	17.06	100	22.70	100	13.93	100	6.71	100
1900	4.24	59	11.91	70	16.25	72	8.08	58	3.77	56

YEAR	SOUTH ATLANTIC		EAST SOUTH CENTRAL		WEST SOUTH CENTRAL		MOUNTAIN		PACIFIC	
	Average value	Index number	Average value	Index number	Average value	Index number	Average value	Index number	Average value	Index number
	Per acre	*Per cent*	*Per acre*	*Per cent*	*Per acre*	*Per cent*	*Per acre*	*Per cent*	*Per acre*	*Per cent*
1930	$14.75	254	$11.12	220	$5.39	221	$2.67	109	$12.18	269
1925	12.62	217	9.25	183	4.74	194	2.54	104	11.38	252
1920	12.28	211	9.47	188	5.09	209	3.08	126	8.95	198
1910	5.81	100	5.05	100	2.44	100	2.44	100	4.52	100
1900	2.94	51	2.78	55	1.05	43	1.18	48	2.38	53

TABLE 5.—AVERAGE VALUE AND INDEX NUMBER OF FARM LAND (EXCLUDING BUILDINGS) PER ACRE, BY GEOGRAPHIC DIVISIONS: 1900 TO 1930

[For index numbers 1910 base=100 per cent]

YEAR	UNITED STATES		NEW ENGLAND		MIDDLE ATLANTIC		EAST NORTH CENTRAL		WEST NORTH CENTRAL	
	Average value	Index number	Average value	Index number	Average value	Index number	Average value	Index number	Average value	Index number
	Per acre	*Per cent*	*Per acre*	*Per cent*	*Per acre*	*Per cent*	*Per acre*	*Per cent*	*Per acre*	*Per cent*
1930	$35.40	109	$30.87	159	$36.59	108	$55.64	91	$43.86	102
1925	40.81	126	26.10	135	35.54	105	70.68	115	53.62	124
1920	57.36	177	28.73	148	40.96	121	102.31	167	83.04	192
1910	32.40	100	19.38	100	33.86	100	61.32	100	43.21	100
1900	15.57	48	13.79	71	27.19	80	34.15	56	19.37	45

YEAR	SOUTH ATLANTIC		EAST SOUTH CENTRAL		WEST SOUTH CENTRAL		MOUNTAIN		PACIFIC	
	Average value	Index number	Average value	Index number	Average value	Index number	Average value	Index number	Average value	Index number
	Per acre	*Per cent*	*Per acre*	*Per cent*	*Per acre*	*Per cent*	*Per acre*	*Per cent*	*Per acre*	*Per cent*
1930	$29.85	164	$25.75	158	$26.19	163	$12.95	66	$67.52	154
1925	33.65	185	25.89	159	25.31	158	13.96	71	71.47	163
1920	40.92	225	36.96	227	31.18	194	23.88	121	74.21	170
1910	18.15	100	16.28	100	16.06	100	19.73	100	43.76	100
1900	8.63	48	8.72	54	5.40	34	6.12	31	17.78	41

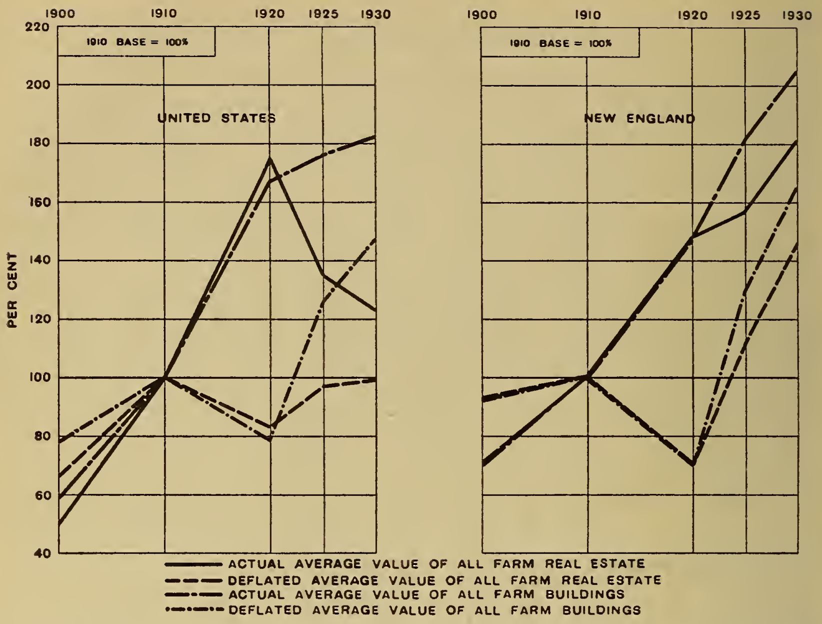

FIGURE 2.—TREND IN THE AVERAGE VALUE OF ALL FARM BUILDINGS PER ACRE AND THE AVERAGE VALUE OF ALL FARM REAL ESTATE (LAND AND BUILDINGS) PER ACRE, IN PER CENTS (1910=100), FOR THE UNITED STATES AND THE NEW ENGLAND STATES: 1900–1930

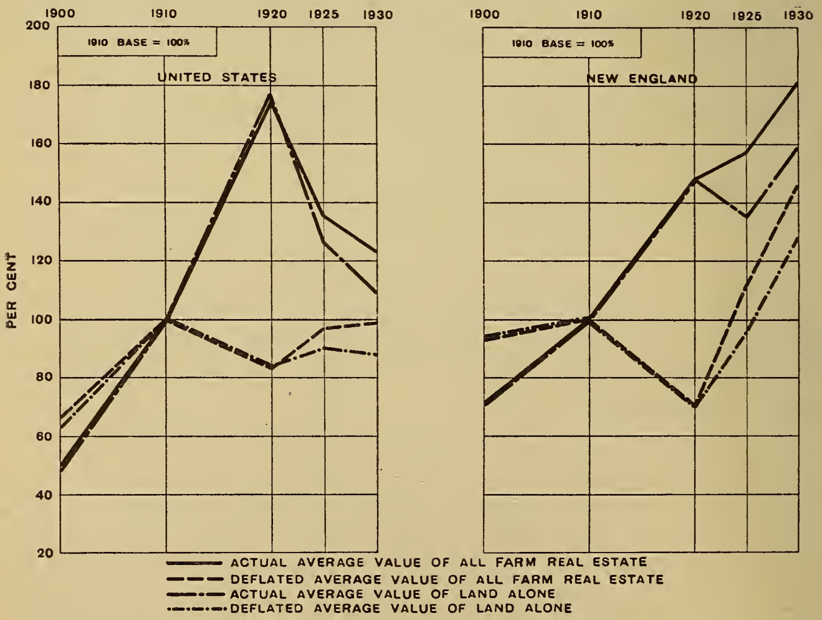

FIGURE 3.—TREND IN THE AVERAGE VALUE OF ALL LAND IN FARMS (EXCLUDING BUILDINGS) PER ACRE AND THE AVERAGE VALUE OF ALL FARM REAL ESTATE (LAND AND BUILDINGS) PER ACRE, IN PER CENTS (1910=100), FOR THE UNITED STATES AND THE NEW ENGLAND STATES: 1900–1930

Average value of dwellings of farm operators, 1930.—The value of the dwellings of farm operators appeared on the census general farm schedule for the first time in 1930. Comparative data pertaining to this item for earlier years are, therefore, not available. In Table 6 are presented the average values of dwellings of farm operators for the United States as a whole and for each of the geographic divisions, when computed both on the basis of the total number of farms and on the basis of the actual number of farms reporting value of dwellings. The ratios which the averages for each geographic division bear to the average for the United States, 100 per cent, are also shown.

It was found that the average value of dwellings of farm operators was naturally somewhat higher when computed on the basis of only those farms which reported. Since it can not be definitely determined whether the number of farms reporting value of dwellings of farm operators represent all of the farms on which there actually were dwellings, or whether some enumerators failed to make complete reports for this item, it may be assumed that the actual average value is somewhat higher than the average value per farm reporting as shown, but not as high as the average based upon the total number of all farms.

In Table 6, as in the tables showing the average value of all farm real estate, of all farm buildings, and of farm land (excluding buildings), the highest averages were found in the New England and Middle Atlantic States with $2,218 for the former and $2,237 for the latter, when computed on the basis of all farms, and $2,325 and $2,338 per farm, respectively, on the basis of farms reporting. The relative positions of the several geographic divisions, from the standpoint of the average value of farm-operators' dwellings, does not change materially whether computed on the basis of all farms or on the basis of farms reporting. The only changes in relative positions noted are that the East North Central division had the third highest average value when computed on the basis of all farms and fourth when computed on the basis of farms reporting, being displaced by the Pacific group.

There can be little doubt from close examination of many individual reports that the values of operators' dwellings reported for a considerable number of farms in the New England and Middle Atlantic States are actually the suburban residences of retired business men, or homes on country estates where no operator other than the wealthy owner resides. Such conditions differ from the reports found on schedules in the North Central, Southern and other sections of the county where very few reports appeared to represent the values of homes of "gentlemen farmers." On the whole, however, the averages represent a fair index of the variation in the standard of living and of farm-home conditions which prevail in the several sections of the country.

TABLE 6.—AVERAGE VALUE OF DWELLINGS OF FARM OPERATORS PER FARM, BY GEOGRAPHIC DIVISIONS, 1930

ITEMS	United States	New England	Middle Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific
Average value per farm (all farms)	$1, 126	$2, 218	$2, 237	$1, 657	$1, 559	$783	$503	$584	$989	$1, 617
Ratio to United States average (per cent)	100. 0	197. 0	198. 7	147. 2	138. 5	69. 5	44. 7	51. 9	87. 8	143. 6
Average value per farm reporting	$1, 207	$2, 325	$2, 338	$1, 724	$1, 633	$846	$549	$644	$1, 089	$1, 752
Ratio to United States average (per cent)	100. 0	192. 6	193. 7	142. 8	135. 3	70. 1	45. 5	53. 4	90. 2	145. 2

BUREAU OF
LIBRARY

CHAPTER II

THE RISE IN FARM REAL-ESTATE VALUES IN THE NEW ENGLAND STATES: 1850 TO 1930

Physical, climatic,[1] and economic characteristics.—Before presenting in detail the data pertaining to farm real-estate values, and several of the more important factors affecting these values, it is important to call attention to the physical, climatic, and economic characteristics of the New England States.

Within the borders of the New England States is probably found a greater variation in physical characteristics and topography than in any other section of the country of similar size. The elevation varies from approximately sea level along the coast and near the mouths of rivers, to rugged hills and mountains ranging from a few hundred to more than 6,000 feet above sea level. The principal areas for growing cash crops are naturally located in the limited areas of suitable agricultural lands along the coast, and in the river valleys. The cleared and partly cleared uplands, which are the predominating types of land in farms, are utilized more for pasturing dairy herds, and for the growing of hay and forage crops, and fruit. There are large areas of land in the uplands and mountainous sections of Maine and New Hampshire, and to a lesser extent in Vermont, which are suitable only for forest and timber production, or merely for recreation purposes.

The chief cash crop regions, including market garden areas, are found around Penobscot Bay and the city of Portland, and in the southern section of the Kennebec River Valley, Me.; the Merrimack and Nashua River Valley, in southeastern New Hampshire and northeastern Massachusetts; a fairly large area around the city of Boston, Mass., including the Neshoba district of western Middlesex and eastern Worcester Counties, the Blackstone River Valley of southern Massachusetts and extending into the northeastern section of Rhode Island, within the metropolitan area which includes the cities of Providence, R. I., and Fall River and New Bedford, Mass.; the Connecticut River Valley in Connecticut and Massachusetts; the Fairfield County and New Haven city areas in Connecticut; and limited areas along Narragansett Bay in Rhode Island. The growing of truck crops does not predominate as a farming operation even in these areas, as has been determined by the characterization of the type of farm areas presented on page 95. (See map showing these areas, p. ~~14~~.) 114 The production of potatoes predominates in the Aroostook and east central sections of Maine (type of farm areas 7, 8, and 12); blueberry harvesting leads all farming operations along the coastal section of southeastern Maine (type of farm area 10); apple production is the principal activity of the Neshoba district, Massachusetts (type of farm area 19); tobacco and truck growing lead all other agricultural activities in the Connecticut River Valley from Hartford, Conn., to Greenfield, Mass. (type of farm area 22); apple growing comprises the chief farming industry in the Colrain area in the northwestern portion of Franklin County, Mass., and the southern portion of Windham County, Vt. (type of farm area 4–c); poultry and egg production predominate in the area south of Boston, Mass. (type of farm area 31–a); and the cranberry production is the principal type of farming of the Cape Cod region, Massachusetts (type of farm area 32). Dairying forms the chief agricultural activity of practially all other regions, and is very important in nearly all of the type areas. Dairying, in fact, is the most important of all farm operations for New England taken as a whole.

---

[1] Data obtained from soil survey reports published by the United States Department of Agriculture, Bureau of Chemistry and Soils.

Soil conditions probably present one of the most variable factors affecting farm real-estate values among the large number of factors which should be considered in the New England States. Although the effect of the movement of the glacial ice sheet which once covered the whole of New England may be found in nearly all parts of the several States, there are a large number of good crop-producing soils along the borders of rivers, in depressions formerly covered by lakes, in areas formerly covered with forest growth, and in certain sections of the coastal plains. Gravelly, sandy, silt, and clay loams are found in the better valley lands, such as in the Connecticut River Valley, where alluvial deposits have covered the glacial deposits to some depth. These loams, except clay, also predominate in the Aroostook and central Maine potato areas. Uplands, used chiefly for grazing and fruit growing, are more rocky in nature, and are generally comprised of glacial débris, and stony, sandy, and gravelly loams. Fine sandy loam and tidal marshlands are scattered along the coast line, although to a less extent along the coast of Maine than those of New Hampshire, Massachusetts, Rhode Island, and Connecticut.

The topography of New England presents about as great diversity as does the soil. The area which embraces Rhode Island, the eastern and southeastern sections of Massachusetts, the coast section of New Hampshire, and the southern portion of Maine is undulating to level in character and rises from sea level to an elevation of from 400 to 1,000 feet as it merges into the central uplands. The southern portion of Connecticut forms a continuance of this undulating plain, being broken by the Connecticut River Valley, on either side of which the elevation increases to meet the southern extremities of the east central and western highlands of Massachusetts. The east central upland region of New England comprises the hilly and mountainous area between the coastal area and the Connecticut River Valley. These uplands rise in northeastern Connecticut where the elevation is approximately 500 feet above sea level, and extend northward into Massachusetts and northern New Hampshire and then eastward into Maine. They vary in elevation from 800 to 1,200 feet in central Massachusetts to more than 6,000 feet in the White Mountains of New Hampshire. West of the central uplands is the Connecticut River Valley, which extends in a northerly and southerly direction parallel to the uplands. The valley ranges in elevation from sea level in south central Connecticut to some 350 to 500 feet above sea level in its northern portions. West of the Connecticut River Valley the elevation gradually increases to merge with the rugged and mountainous areas of the western highlands, which contain the Berkshire Hills to the south (in Connecticut and Massachusetts) and the Green Mountains to the north (in Vermont). These western highlands range in elevation above sea level from 1,800 feet in northwestern Connecticut to 3,000 feet or more in western Massachusetts and central Vermont. This elevation drops abruptly to the west into the narrow Housatonic River Valley in western Connecticut and Massachusetts, and more gradually into the Winooski Valley and Lake Champlain region in Vermont. At Pittsfield, Mass., the elevation is only 575 feet above sea level. From the Housatonic River Valley the land rises abruptly in elevation to join the Taconic Range at levels of from 2,000 to 2,600 feet along the western boundaries of Connecticut and Massachusetts. The principal river basins in New England, which further serve to diversify the topography in addition to those already mentioned are those formed by the Naugatuck, Farmington, and Thames Rivers in Connecticut; the Blackstone River in Massachusetts and Rhode Island; the Merrimack and Nashua Rivers in Massachusetts and New Hampshire; and the Kennebec and Penobscot Rivers in Maine.

The average growing season between frosts presents another diversity to be considered in connection with farm real-estate values. The average season in Connecticut is from about May 8 to October 10, or approximately 153 days, while at Houlton, Aroostook County, Me., it is from about June 6 to September 17, or approximately 101 days. In contrast to physical and temperature variations already mentioned, the amount of rainfall is fairly uniform over New England during the growing season, and ranges from about 9 to 12 inches in various localities for the three summer months, June, July, and August.

It should be pointed out that in addition to the divergent physical conditions to be considered is the fact that New England maintains large investments in manufacturing industries, and that the States of Massachusetts, Rhode Island, and Connecticut are, taken as a whole, dominantly industrial. (See map of agricultural and industrial areas, p. 122.) The increased concentration of masses of population in the industrial and seacoast centers, has caused differences between the types of agriculture near the centers and those more distant. This fact, alone, has brought about great variations in farm real-estate values. The expansion of the industrial centers and the diversion of farm lands to industrial and other uses has also played an important part in the trend of farm real-estate values. New England has come to depend more and more upon other sections of the country for its supply of those agricultural products which are more economically produced outside her borders.

Values of all farm real estate: 1850 to 1930.—The average values of all farm real estate per acre, for New England, by States and counties, are presented in Tables 7 and 8, pages 32 and 33. In Tables 9 and 11 the average values of all farm real estate per acre have been computed as index numbers, using the average value for the year 1910 as a base in one instance, and the average value for New England, as a whole, in the other. The shaded map (fig. 4), shows the geographic relationships of these averages when computed by towns and townships and these towns classified by value groups without regard to county boundaries. Figure 5 shows the location and geographic relationships of the increases or decreases in the average values of all farm real estate per acre as computed by minor civil divisions. The trend from 1850 to 1930 in the average value of all farm real estate per acre for New England, as a whole, may be compared with the trends in other geographic divisions and with the United States, as a whole, in Figure 1.

During the last decade, 1920 to 1930, the average value of all farm real estate per acre increased in each of the New England States, except Vermont, where the recession was of a minor character for the State as a whole. (See Table 7.) The most rapid increases occurred during the latter half of this decade, coincident with the recovery from the depression of 1921. The greatest increase in the average value for the 10-year period was in Rhode Island, with an increase of 55.2 per cent. Nantucket County, Mass., increased most rapidly, 249.5 per cent, among all the 67 counties in New England, and the greatest decrease in the average value of all farm real estate per acre is recorded for Lamoille County, Vt. Of the 10 counties reporting decreases from 1920 to 1930, 7 adjoin each other in the northern dairy section of Vermont. The remaining three counties are Sagadahoc, Hancock, and Washington, Me., where it will be noted the latter two counties adjoin each other in the southeast corner of the State. A comparison of the maps (figs. 4, 5, and 23) shows that farm real-estate values were higher in and about the larger cities and industrial areas, or in those agricultural sections also utilized for recreational or residential purposes, and that they were lower in those areas where agriculture alone predominates. In general, it may be stated that farm real-estate values increased more rapidly from 1925 to 1930 in those cities and towns located in the industrial areas and in those agricultural sections where the use of land for recreational purposes is important. Attention is also called to the fact that, as shown in Table 1, the number of farms in New England decreased 21.7 per cent between 1925 and 1930, and that the number of acres of land in farms during the decade declined 15.9 per cent; while the total value of all farm real estate increased 2.5 per cent; and that the greater portion of these changes occurred during the latter half of the decade.

Tables 8 and 9 show the trend and geographic relationships in the average values of all farm real estate per acre as derived from the reported values (currency basis) may be traced by decades for each county in the New England States from 1850 to 1930, and for the 5-year periods 1920 to 1925 and 1925 to 1930. From the data presented in Table 8 it will be observed that during the period 1850 to 1890 there was a very gradual and almost constant upward trend in farm real-estate values in each of the New England States. From 1850 to 1870, farm real-estate values for Vermont increased more rapidly than for any other New England State. There the average value per acre advanced from $15.36 to $24.62, or 38 points according to the index of the values during the 20-year period. The greatest increases within Vermont occurred in its northwestern counties where new railroads made the best dairy land more accessible and facilitated the marketing of the dairy and other agricultural products of that region in New York City and in the cities of southern New England. Between 1870 and 1880, average farm real-estate values for Rhode Island increased more rapidly than for any other New England State. There the average value per acre advanced during the decade from $34.36 per acre to $50.27, or 25 points in the index, which coincides with the recovering of the textile and other industries of southern New England following the readjustments of the post-Civil-War period and the business depression of 1873. During this same period, 1870 to 1880, the average values declined for Vermont alone, among all of the New England States, a recession which, by 1900, brought the value for that State, taken as a whole, down nearly to the level of its 1850 average. Decreases occurred in farm real-estate values for each of the New England States, except Maine, during the decade 1880 to 1890, a period when the rapid development of agriculture, particularly dairying, in the North Central and Western parts of the country, brought those sections into keen competition with New England agriculture.

Slight recoveries of farm real-estate values took place for New Hampshire, Massachusetts, and Rhode Island between 1890 and 1900, which continued at more rapid, but fairly uniform, rates for each of the New England States during succeeding decades until 1920. The average values for Maine, New Hampshire, Massachusetts, and Connecticut again advanced, from 1920 to 1930, but at more modified rates than during the preceding decade. Rhode Island was the only State in New England for which the average values of all farm real estate increased more rapidly between 1920 and 1930 than during the 20-year period 1900 to 1920. The net changes which occurred for Vermont from 1920 to 1930 resulted in a slight lowering of the average for that State in comparison with the 1920 average. It is significant that the most rapid increases among the several New England States for any decade occurred between 1920 and 1930 in Rhode Island and Connecticut, with the rate of increase for Massachusetts only slightly less than its most rapid advance of the 1910 to 1920 period. Except for New Hampshire, farm real-estate values for each New England State advanced far more rapidly between 1925 and 1930, than between the years 1920 and 1925.

During the entire period 1850 to 1930 farm real-estate values for Connecticut advanced most rapidly and reached a higher point than any other New England State; while the rate of increase was lowest during the same period for Vermont, where the average value was also lowest in 1930. A comparison of the rates of increase for the several New England States from 1850 to 1930 is shown by the total points of increase for the entire period in the index numbers of the averages, which were as follows: Maine 118, New Hampshire 87, Vermont 91, Massachusetts 145, Rhode Island 147, and Connecticut 191. The average value derived from the reported data increased from $30.51 in 1850 to $151.38 per acre in 1930 for Connecticut, where, in the latter year the average was greater than for any other New England State; and advanced from $15.36 in 1850 to $37.46 in 1930 for Vermont, where the average value was lower than any other New England State in 1930.

From the index numbers of the average value of all farm real estate per acre shown in Table 9, it will be observed that the greatest deviation above the average for New England as a whole (the New England average taken as the base value equal to 100 per cent), or the highest average values, occurred in Connecticut in the years 1870, 1920, 1925, and 1930. In 1850 and 1910 the greatest deviation above the New England average, or the highest average values, were found in Massachusetts; and in 1860, 1880, 1890, and 1900 in Rhode Island. The averages in each of these three States at each census have always exceeded the average value of all farm real estate per acre for New England as a whole. The lowest average values among the several New England States from 1850 to 1930 have occurred in Maine, New Hampshire, and Vermont. Maine had the lowest average values among the New England States at each census from 1850 to 1900, inclusive. New Hampshire had the lowest average value in 1920; and average values for Vermont were lowest in 1910, 1925, and 1930. In only 1 year and for only 1 State among these 3 northern New England States, namely Vermont in 1870, was the average value greater than the average for New England as a whole.

It will be observed from the foregoing discussion that farm real-estate values for each of the three southern New England States—Massachusetts, Rhode Island, and Connecticut—have advanced more rapidly than the average values for the three northern States—Maine, New Hampshire, and Vermont. There is also great similarity between the trends in values for each of the three southernmost States, and similarity to a less extent between the trends in each of the northern New England States.

TABLE 7.—AVERAGE VALUE OF ALL FARM REAL ESTATE (LAND AND BUILDINGS) AND OF LAND ALONE, PER ACRE, FOR NEW ENGLAND, BY STATES AND COUNTIES: 1930, 1925, AND 1920

(A minus sign (—) denotes decrease)

STATE AND COUNTY	ALL FARM REAL ESTATE					LAND ALONE				
	1930	1925	1920	Per cent increase		1930	1925	1920	Per cent increase	
				1925–1930	1920–1930				1925–1930	1920–1930
NEW ENGLAND	$65.86	$57.11	$54.00	15.3	22.0	$30.87	$26.10	$28.73	18.3	7.4
Maine	41.87	38.22	37.62	9.5	11.3	20.61	18.89	21.09	9.1	−2.3
Androscoggin	46.24	48.06	38.32	−3.8	20.7	18.68	20.41	18.70	−8.5	−0.1
Aroostook	76.94	69.26	73.54	11.1	4.6	47.78	42.33	50.04	12.9	−4.5
Cumberland	65.44	58.37	50.80	12.1	28.8	27.59	25.02	25.38	10.3	8.7
Franklin	27.40	26.75	24.56	2.4	11.6	12.28	13.97	13.56	−12.1	−9.4
Hancock	32.21	27.03	34.41	19.2	−6.4	14.56	11.00	18.12	32.4	−19.6
Kennebec	37.68	37.42	35.93	0.7	4.9	14.46	15.48	16.53	−6.6	−12.5
Knox	40.77	36.84	34.03	10.7	19.8	16.08	14.80	16.52	8.6	−2.7
Lincoln	31.44	30.27	29.96	3.9	4.9	10.93	11.88	14.60	−8.0	−25.1
Oxford	29.71	27.44	25.36	8.3	17.2	14.20	13.54	13.69	4.9	3.7
Penobscot	30.73	29.55	30.23	4.0	1.7	12.28	13.18	15.19	−6.8	−19.2
Piscataquis	23.33	24.68	23.26	−5.5	0.3	11.01	11.83	12.50	−6.9	−11.9
Sagadahoc	31.36	28.19	31.44	11.2	−0.3	11.87	11.86	14.93	0.1	−20.5
Somerset	27.35	26.43	23.65	3.5	15.6	12.14	12.60	12.33	−3.7	−1.5
Waldo	23.05	21.42	22.12	7.6	4.2	9.31	9.04	10.26	3.0	−9.3
Washington	21.27	22.17	22.94	−4.1	−7.3	11.00	10.07	11.55	9.2	−4.8
York	51.69	51.19	43.74	1.0	18.2	23.43	24.94	24.23	−6.1	−3.3
New Hampshire	39.47	38.30	34.56	3.1	14.2	16.42	16.46	18.21	−0.2	−9.8
Belknap	37.75	31.84	34.13	18.6	10.6	17.47	14.01	17.83	24.7	−2.0
Carroll	36.38	34.39	34.97	5.8	4.0	15.97	15.65	21.36	2.0	−25.2
Cheshire	44.67	40.29	39.05	10.9	14.4	18.35	17.09	20.73	7.4	−11.5
Coos	30.44	27.81	28.15	9.5	8.1	13.76	13.64	14.56	0.9	−5.5
Grafton	30.22	28.40	26.41	6.4	14.4	13.70	13.19	14.65	3.9	−6.5
Hillsborough	49.42	47.98	40.11	3.0	23.2	19.94	18.56	20.23	7.4	−1.4
Merrimack	35.25	34.50	31.26	2.2	12.8	14.71	15.08	17.22	−2.5	−14.6
Rockingham	61.70	64.03	54.06	−3.6	14.1	23.37	24.89	25.73	−6.1	−9.2
Strafford	49.74	46.77	35.51	6.4	40.1	17.81	18.63	17.90	−4.4	−0.5
Sullivan	29.09	28.31	26.43	2.8	10.1	12.03	14.79	13.90	−18.7	−13.5
Vermont	37.46	34.97	37.56	7.1	−0.3	16.33	16.27	19.58	0.4	−16.6
Addison	41.60	36.59	45.01	13.7	−7.6	18.74	16.91	22.76	10.8	−17.7
Bennington	49.11	34.02	36.77	44.4	33.6	19.59	16.74	16.92	17.0	15.8
Caledonia	33.91	33.88	36.39	0.1	−6.8	15.10	16.52	18.52	−8.6	−18.5
Chittenden	53.11	48.55	56.02	9.4	−5.2	23.29	23.35	31.30	−0.3	−25.6
Essex	25.82	23.32	24.36	10.7	6.0	11.79	12.89	12.80	−8.5	−7.9
Franklin	47.22	47.19	54.92	0.1	−14.0	22.38	23.42	31.85	−4.4	−29.7
Grand Isle	88.32	74.99	82.69	17.8	6.8	43.22	37.52	45.31	15.2	−4.6
Lamoille	29.97	31.33	35.32	−4.3	−15.1	13.43	14.57	18.90	−7.8	−28.9
Orange	25.71	24.61	25.69	4.5	0.1	10.98	10.74	12.84	2.2	−14.5
Orleans	37.96	39.63	42.53	−4.2	−10.7	16.53	18.76	23.96	−11.9	−31.0
Rutland	36.87	35.09	32.00	5.1	15.2	15.40	13.61	15.06	13.2	2.3
Washington	35.42	36.55	37.03	−3.1	−4.3	14.84	16.19	18.15	−8.3	−18.2
Windham	28.70	27.29	26.04	5.2	10.2	12.80	12.54	13.66	2.1	−6.3
Windsor	31.47	27.15	27.54	15.9	14.3	12.21	12.39	13.29	−1.5	−8.1
Massachusetts	130.26	107.53	99.25	21.1	31.2	58.94	46.64	51.17	26.4	15.2
Barnstable	230.69	149.54	100.83	54.3	128.8	118.91	62.94	53.94	88.9	120.4
Berkshire	64.41	54.31	56.04	18.6	14.9	27.71	22.83	30.54	21.4	−9.3
Bristol	168.86	134.48	122.76	25.6	37.6	74.35	54.89	62.47	35.5	19.0
Dukes	42.31	40.03	33.10	5.7	27.8	24.25	19.55	19.18	24.0	26.4
Essex	227.31	191.58	218.20	18.7	4.2	101.70	91.40	111.20	11.3	−8.5
Franklin	63.54	61.88	52.52	2.7	21.0	27.50	28.20	27.02	−2.5	1.8
Hampden	94.13	93.73	74.39	0.4	26.5	44.27	42.54	39.37	4.1	12.4
Hampshire	93.53	92.05	74.33	1.6	25.8	37.90	39.10	36.17	−3.1	4.8
Middlesex	247.91	188.67	162.05	31.4	53.0	112.14	79.57	76.75	40.9	46.1
Nantucket	143.20	46.23	40.97	209.8	249.5	72.84	17.68	21.47	312.0	239.3
Norfolk	336.65	234.76	241.51	43.4	39.4	137.84	95.26	129.18	44.7	6.7
Plymouth	216.96	168.30	141.60	28.9	53.2	122.62	79.25	80.64	54.7	52.1
Suffolk	1,815.16	2,212.50	1,118.45	−18.0	62.3	1,302.23	1,434.47	912.03	−9.2	42.8
Worcester	97.37	87.52	72.13	11.3	35.0	42.75	36.67	36.40	16.6	17.4
Rhode Island	123.52	90.35	79.58	36.7	55.2	59.47	43.83	43.75	35.7	35.9
Bristol	273.43	251.50	241.78	8.7	13.1	152.15	124.20	130.50	22.5	16.6
Kent	117.33	103.26	68.13	13.6	72.2	48.84	46.00	36.08	6.2	35.4
Newport	219.75	154.26	156.61	42.5	40.3	124.82	83.34	95.65	49.8	30.5
Providence	131.15	86.12	81.50	52.3	60.9	60.09	41.95	42.74	43.2	40.6
Washington	63.62	51.40	42.08	23.8	51.2	28.31	22.57	22.49	25.4	25.9
Connecticut	151.38	110.22	100.20	37.3	51.1	76.38	49.85	53.28	53.2	43.4
Fairfield	472.60	232.23	226.07	103.5	109.1	284.21	122.64	138.81	131.7	104.7
Hartford	220.17	194.47	179.12	13.2	22.9	104.92	84.41	88.76	24.3	18.2
Litchfield	92.59	65.77	56.57	40.8	63.7	43.03	26.26	27.74	63.9	55.1
Middlesex	100.78	86.35	69.17	16.7	45.7	41.61	32.55	34.94	27.8	19.1
New Haven	187.92	127.76	118.36	47.1	58.8	99.92	67.33	69.07	48.4	44.7
New London	72.32	62.06	49.20	16.5	47.0	33.09	24.81	23.55	33.4	40.5
Tolland	80.04	73.22	57.88	9.3	38.3	31.11	28.94	27.08	7.5	14.9
Windham	60.87	51.22	44.19	18.8	37.7	22.16	19.55	19.44	13.4	14.0

Table 8.—Average Value and Index Number of all Farm Real Estate (Land and Buildings) Per Acre, for New England, by States and Counties: 1850 to 1930

STATE AND COUNTY	AVERAGE VALUE OF ALL FARM REAL ESTATE PER ACRE									
	1930	1925	1920	1910	1900	1890	1880	1870 [1]	1860	1850
NEW ENGLAND	$65.86	$57.11	$54.00	$36.45	$25.71	$24.78	$27.03	$23.92	$23.68	$20.27
Maine	41.87	38.22	37.62	25.35	15.32	15.95	15.62	14.11	13.74	12.04
Androscoggin	46.24	48.06	38.32	27.94	23.09	22.58	25.00	21.38	21.31	-------
Aroostook	76.94	69.26	73.54	41.66	14.04	10.40	7.12	5.62	4.92	4.16
Cumberland	65.44	58.37	50.80	37.60	25.53	27.08	29.04	25.40	25.07	18.32
Franklin	27.40	26.75	24.56	16.03	8.86	9.27	10.83	9.98	9.95	7.75
Hancock	32.21	27.03	34.41	20.28	13.41	15.31	13.48	9.40	9.52	8.67
Kennebec	37.68	37.42	35.93	27.50	19.80	21.48	23.03	20.90	19.67	15.80
Knox	40.77	36.84	34.03	29.43	20.39	23.67	24.05	19.26	18.94	-------
Lincoln	31.44	30.27	29.96	21.30	15.69	18.90	19.02	16.41	17.88	15.28
Oxford	29.71	27.44	25.36	17.32	11.41	11.34	11.14	10.16	9.79	8.88
Penobscot	30.73	29.55	30.23	22.12	14.08	14.34	14.39	12.62	11.05	9.72
Piscataquis	23.33	24.68	23.26	17.39	10.21	10.26	8.44	8.71	7.48	6.53
Sagadahoc	31.36	28.19	31.44	25.02	17.62	19.68	24.63	18.87	21.34	-------
Somerset	27.35	26.43	23.65	17.48	10.86	12.46	12.32	11.66	10.76	9.43
Waldo	23.05	21.42	22.12	17.85	12.74	16.09	16.42	14.52	12.79	12.07
Washington	21.27	22.17	22.94	14.91	9.88	10.37	8.81	6.55	7.37	8.53
York	51.69	51.19	43.74	34.69	24.75	27.15	26.17	21.62	24.21	19.13
New Hampshire	39.47	38.30	34.56	26.44	19.43	19.13	20.38	17.88	18.61	16.29
Belknap	37.75	31.84	34.13	27.05	19.22	20.19	17.83	18.66	18.17	17.77
Carroll	36.38	34.39	34.97	22.78	13.42	12.47	12.70	8.86	10.35	11.85
Cheshire	44.67	40.29	39.05	26.33	18.99	17.08	16.35	16.80	16.70	15.52
Coos	30.44	27.81	28.15	20.82	14.18	13.59	16.66	12.24	8.35	7.92
Grafton	30.22	28.40	26.41	19.96	14.50	14.09	14.74	13.76	14.34	11.79
Hillsborough	49.42	47.98	40.11	32.13	24.45	22.32	25.22	22.28	23.12	18.65
Merrimack	35.25	34.50	31.26	26.02	19.12	18.36	23.45	20.91	21.56	17.98
Rockingham	61.70	64.03	54.06	43.63	35.74	40.02	38.02	30.08	32.81	26.96
Strafford	49.74	46.77	35.51	28.51	25.66	23.41	27.40	25.93	30.49	23.33
Sullivan	29.09	28.31	26.43	19.76	13.32	13.80	16.37	16.86	16.37	13.95
Vermont	37.46	34.97	37.56	24.14	17.58	18.30	22.40	24.62	22.06	15.36
Addison	41.60	36.59	45.01	29.49	22.85	22.93	30.45	32.24	34.76	21.75
Bennington	49.11	34.02	36.77	25.53	17.40	19.22	19.22	26.63	19.17	14.92
Caledonia	33.91	33.88	36.39	21.90	15.68	15.11	20.05	18.86	16.95	13.12
Chittenden	53.11	48.55	56.02	36.82	29.07	28.09	30.07	40.68	32.46	19.93
Essex	25.82	23.32	24.36	14.29	10.57	11.97	8.88	10.82	10.08	8.05
Franklin	47.22	47.19	54.92	32.76	24.10	24.91	29.36	33.49	28.31	13.92
Grand Isle	88.32	74.99	82.69	57.09	41.23	36.99	40.13	44.06	42.60	24.64
Lamoille	29.97	31.33	35.32	20.68	13.39	16.08	19.18	24.10	18.01	12.17
Orange	25.71	24.61	25.69	17.43	12.78	13.97	20.33	20.37	19.41	13.88
Orleans	37.96	39.63	42.53	22.92	15.89	16.24	20.29	20.21	17.77	10.09
Rutland	36.87	35.09	32.00	23.68	20.04	21.42	24.56	25.78	23.61	17.92
Washington	35.42	36.55	37.03	22.95	16.27	16.31	22.91	25.15	22.18	13.87
Windham	28.70	27.29	26.04	18.23	13.45	13.24	16.79	16.82	16.28	15.03
Windsor	31.47	27.15	27.54	20.19	13.31	14.95	19.73	19.90	17.95	14.89
Massachusetts	130.26	107.53	99.25	67.51	50.21	42.54	43.52	34.12	36.92	32.50
Barnstable	230.69	149.54	100.83	80.77	45.15	36.09	24.65	12.71	26.59	17.80
Berkshire	64.41	54.31	56.04	42.49	30.48	27.89	26.43	25.11	22.20	20.74
Bristol	168.86	134.48	122.76	77.12	59.77	58.38	46.44	32.62	35.66	33.94
Dukes	42.31	40.03	33.10	28.79	21.57	21.08	18.11	14.57	19.38	19.97
Essex	227.31	191.58	218.20	127.56	89.89	74.17	75.83	51.51	56.28	46.34
Franklin	63.54	61.88	52.52	31.12	23.71	21.03	24.68	22.58	21.65	21.11
Hampden	94.13	93.73	74.39	48.57	31.82	28.70	34.78	29.79	25.95	24.45
Hampshire	93.53	92.05	74.33	40.73	31.33	28.15	30.51	31.43	26.74	24.45
Middlesex	247.91	188.67	162.05	105.52	100.88	79.19	76.11	56.45	63.57	54.15
Nantucket	143.20	46.23	40.97	28.24	29.34	30.89	7.62	9.86	12.70	17.69
Norfolk	336.65	234.76	241.51	159.62	104.47	87.67	88.51	53.79	97.67	76.54
Plymouth	216.96	168.30	141.60	96.69	57.45	43.08	43.38	30.93	36.23	27.23
Suffolk	1,815.16	2,212.50	1,118.45	1,392.04	1,045.20	436.26	527.52	314.57	214.62	176.29
Worcester	97.37	87.52	72.13	51.27	42.46	37.02	40.25	31.74	31.28	28.82
Rhode Island	123.52	90.35	79.58	63.01	50.76	46.61	50.27	34.36	37.51	30.82
Bristol	273.43	251.50	241.78	169.46	131.93	105.01	121.97	87.00	92.05	56.79
Kent	117.33	103.26	68.13	50.82	36.34	35.95	27.50	23.38	24.08	22.80
Newport	219.75	154.26	156.61	149.68	106.45	107.79	111.77	63.70	74.60	54.79
Providence	131.15	86.12	81.50	66.63	60.02	46.73	57.77	38.74	41.66	34.89
Washington	63.62	51.40	42.08	30.79	26.76	28.28	27.02	19.22	21.16	18.03
Connecticut	151.38	110.22	100.20	63.28	42.14	42.16	49.34	42.04	36.27	30.51
Fairfield	472.60	232.23	226.07	148.31	81.53	83.42	85.19	72.94	53.33	49.25
Hartford	220.17	194.47	179.12	93.96	62.77	56.51	71.35	60.84	51.63	37.27
Litchfield	92.59	65.77	56.57	41.72	28.35	29.68	37.20	34.20	31.16	26.70
Middlesex	100.78	86.35	69.17	45.45	33.77	37.13	43.41	34.14	28.56	28.16
New Haven	187.92	127.76	118.36	73.65	52.83	51.07	57.45	49.05	41.47	35.91
New London	72.32	62.06	49.20	32.31	26.83	26.27	33.72	30.92	29.33	25.68
Tolland	80.04	73.22	57.88	33.53	23.72	25.99	28.52	23.69	21.84	17.11
Windham	60.87	51.22	44.19	31.66	25.53	25.41	30.74	23.82	23.61	22.82

[1] Figures for 1870 are computed gold values—being 80 per cent of currency values reported.

TABLE 8.—AVERAGE VALUE AND INDEX NUMBER OF ALL FARM REAL ESTATE (LAND AND BUILDINGS) PER ACRE FOR NEW ENGLAND, BY STATES AND COUNTIES: 1850 TO 1930—Continued

STATE AND COUNTY	INDEX NUMBER OF AVERAGE VALUE PER ACRE (1910 base=100 per cent)									
	1930	1925	1920	1910	1900	1890	1880	1870	1860	1850
NEW ENGLAND	**181**	**157**	**148**	**100**	**71**	**68**	**74**	**66**	**65**	**56**
Maine	**165**	**151**	**148**	**100**	**60**	**63**	**62**	**56**	**54**	**47**
Androscoggin	165	172	137	100	83	81	89	77	76	------
Aroostook	185	166	177	100	34	25	17	13	12	10
Cumberland	174	155	135	100	68	72	77	68	67	49
Franklin	171	167	153	100	55	58	68	62	62	48
Hancock	159	133	170	100	66	75	66	46	47	43
Kennebec	137	136	131	100	72	78	84	76	72	57
Knox	139	125	116	100	69	80	82	65	64	------
Lincoln	148	142	141	100	74	89	89	77	84	72
Oxford	172	158	146	100	66	65	64	59	57	51
Penobscot	139	134	137	100	64	65	65	57	50	44
Piscataquis	134	142	134	100	59	59	49	50	43	38
Sagadahoc	125	113	126	100	70	79	98	75	85	------
Somerset	156	151	135	100	62	71	70	67	62	54
Waldo	129	120	124	100	71	90	92	81	72	68
Washington	143	149	154	100	66	70	59	44	49	57
York	149	148	126	100	71	78	75	62	70	55
New Hampshire	**149**	**145**	**131**	**100**	**73**	**72**	**77**	**68**	**70**	**62**
Belknap	140	118	126	100	71	75	66	69	67	66
Carroll	160	151	154	100	59	55	56	39	45	52
Cheshire	170	153	148	100	72	65	62	64	63	59
Coos	146	134	135	100	68	65	80	59	40	38
Grafton	151	142	132	100	73	71	74	69	72	59
Hillsborough	154	149	125	100	76	69	78	69	72	58
Merrimack	135	133	120	100	73	71	90	80	83	69
Rockingham	141	147	124	100	82	92	87	69	75	62
Strafford	174	164	125	100	90	93	96	91	107	82
Sullivan	147	143	134	100	67	70	83	85	83	71
Vermont	**155**	**145**	**156**	**100**	**73**	**76**	**93**	**102**	**91**	**64**
Addison	141	124	153	100	77	78	103	109	118	74
Bennington	192	133	144	100	68	75	75	104	75	58
Caledonia	155	155	166	100	72	69	92	86	77	60
Chittenden	144	132	152	100	79	76	82	110	88	54
Essex	181	163	170	100	74	84	62	76	71	56
Franklin	144	144	168	100	74	76	90	102	86	42
Grand Isle	155	131	145	100	72	65	70	77	75	43
Lamoille	145	151	171	100	65	78	93	117	87	59
Orange	148	141	147	100	73	80	117	117	111	80
Orleans	166	173	186	100	69	71	89	88	78	44
Rutland	156	148	135	100	85	90	104	109	100	76
Washington	154	159	161	100	71	71	100	110	97	60
Windham	157	150	143	100	74	73	92	92	89	82
Windsor	156	134	136	100	66	74	98	99	89	74
Massachusetts	**193**	**159**	**147**	**100**	**74**	**63**	**64**	**51**	**55**	**48**
Barnstable	286	185	125	100	56	45	31	16	33	22
Berkshire	152	128	132	100	72	66	62	59	52	49
Bristol	219	174	159	100	78	76	60	42	46	44
Dukes	147	139	115	100	75	73	63	51	67	69
Essex	178	150	171	100	70	58	59	40	44	36
Franklin	204	199	169	100	76	68	79	73	70	68
Hampden	194	193	153	100	66	59	72	61	53	50
Hampshire	230	226	182	100	77	69	75	77	66	60
Middlesex	235	179	154	100	96	75	72	53	60	51
Nantucket	507	164	145	100	104	109	27	35	45	63
Norfolk	211	147	151	100	65	55	55	34	61	48
Plymouth	224	174	146	100	59	45	45	32	37	28
Suffolk	130	159	80	100	75	31	38	23	15	13
Worcester	190	171	141	100	83	72	79	62	61	56
Rhode Island	**196**	**143**	**126**	**100**	**81**	**74**	**80**	**55**	**60**	**49**
Bristol	161	148	143	100	78	62	72	51	54	34
Kent	231	203	134	100	72	71	54	46	47	45
Newport	147	103	105	100	71	72	75	43	50	37
Providence	197	129	122	100	90	70	87	58	63	52
Washington	207	167	137	100	87	92	88	62	69	59
Connecticut	**239**	**174**	**158**	**100**	**67**	**67**	**78**	**66**	**57**	**48**
Fairfield	319	157	152	100	55	56	57	49	36	33
Hartford	234	207	191	100	67	60	76	65	55	40
Litchfield	222	158	136	100	68	71	89	82	75	64
Middlesex	222	190	152	100	74	82	96	75	63	62
New Haven	255	173	161	100	72	69	78	67	56	49
New London	224	192	152	100	83	81	104	96	91	79
Tolland	239	218	173	100	71	78	85	71	65	51
Windham	192	162	140	100	81	80	97	75	75	72

TABLE 9.—MEASUREMENT OF THE CHANGES IN THE AVERAGE VALUE OF ALL FARM REAL ESTATE (LAND AND BUILDINGS) PER ACRE, 1850 TO 1930, AND OF ALL FARM BUILDINGS PER ACRE, 1900 TO 1930, IN PERCENTAGES OF THE AVERAGE FOR NEW ENGLAND AS BASE (100), BY STATES AND COUNTIES

STATE AND COUNTY	AVERAGE VALUE OF ALL REAL ESTATE PER ACRE (*Per cent*)										AVERAGE VALUE OF ALL BUILDINGS PER ACRE (*Per cent*)				
	1930	1925	1920	1910	1900	1890	1880	1870	1860	1850	1930	1925	1920	1910	1900
NEW ENGLAND	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Maine	64	67	70	70	60	64	58	59	58	59	61	62	65	68	63
Androscoggin	70	84	71	77	90	91	92	89	90	-----	79	89	78	86	99
Aroostook	117	121	136	114	55	42	26	23	21	21	83	87	93	73	45
Cumberland	99	102	94	103	99	109	107	106	106	90	108	108	101	109	104
Franklin	42	47	45	44	34	37	40	42	42	38	43	41	44	45	37
Hancock	49	47	64	56	52	62	50	39	40	43	50	52	57	63	58
Kennebec	57	66	67	75	77	87	85	87	83	78	66	71	77	85	85
Knox	62	65	63	81	79	96	89	81	80	-----	71	71	69	90	90
Lincoln	48	53	55	58	61	76	70	69	76	75	59	59	61	68	70
Oxford	45	48	47	48	44	46	41	42	41	44	44	45	50	48	47
Penobscot	47	52	56	61	55	58	53	53	47	48	53	53	60	66	61
Piscataquis	35	43	43	48	40	41	31	36	32	32	35	41	43	49	44
Sagadahoc	48	49	58	69	69	79	91	79	90	-----	56	53	65	77	77
Somerset	42	46	44	48	42	50	46	49	45	47	43	45	45	50	46
Waldo	35	38	41	49	50	65	61	61	54	60	39	40	47	55	56
Washington	32	39	42	41	38	42	33	27	31	42	29	39	45	46	41
York	78	90	81	95	96	110	97	90	102	94	81	85	77	97	97
New Hampshire	60	67	64	73	76	77	75	75	79	80	66	70	65	75	81
Belknap	57	56	63	74	75	81	66	78	77	88	58	58	65	72	78
Carroll	55	60	65	62	52	50	47	37	44	58	58	60	54	66	53
Cheshire	68	71	72	72	74	69	60	70	71	77	75	75	72	67	79
Coos	46	49	52	57	55	55	62	51	35	39	48	46	62	60	56
Grafton	46	50	49	55	56	57	55	58	61	58	47	49	47	57	60
Hillsborough	75	84	74	88	95	90	93	93	98	92	84	95	79	94	100
Merrimack	54	60	58	71	74	74	87	87	91	89	59	63	56	70	77
Rockingham	94	112	100	120	139	162	141	126	139	133	110	126	112	133	157
Strafford	76	82	66	78	100	107	101	108	129	115	91	91	70	83	109
Sullivan	44	50	49	54	52	56	61	70	69	69	49	44	50	53	56
Vermont	57	61	70	66	68	74	83	103	93	76	60	54	71	68	66
Addison	63	64	83	81	89	93	113	135	147	107	65	63	88	75	81
Bennington	75	60	68	70	68	78	71	111	81	74	84	56	79	76	65
Caledonia	51	59	67	60	61	61	74	79	72	65	54	56	71	60	63
Chittenden	81	85	104	101	113	113	111	170	137	98	85	81	98	106	105
Essex	39	41	45	39	41	48	33	45	43	40	40	34	46	40	41
Franklin	72	83	102	90	94	101	109	140	120	69	71	77	91	87	81
Grand Isle	134	131	153	157	160	149	148	184	180	122	129	121	148	145	137
Lamoille	46	55	65	57	52	65	71	101	76	60	47	54	65	60	53
Orange	39	43	48	48	50	56	75	85	82	68	42	45	51	52	53
Orleans	58	69	79	63	62	66	75	84	75	50	61	67	73	64	59
Rutland	56	61	59	65	78	86	91	108	100	88	61	69	67	70	75
Washington	54	64	69	63	63	66	85	105	94	68	59	66	75	66	60
Windham	44	48	48	50	52	53	62	70	69	74	45	48	49	49	53
Windsor	48	48	51	55	52	60	73	83	76	73	55	48	56	63	57
Massachusetts	198	188	184	185	195	172	161	143	156	160	204	196	190	181	190
Barnstable	350	262	187	222	176	146	91	53	112	88	319	282	186	198	181
Berkshire	98	95	104	117	119	113	98	105	94	102	105	102	101	109	114
Bristol	256	235	227	212	232	236	172	136	151	167	270	257	239	231	254
Dukes	64	70	61	79	84	85	67	61	82	99	52	66	55	71	77
Essex	345	335	404	350	350	299	281	215	238	229	359	323	423	334	314
Franklin	96	108	97	85	92	85	91	94	91	104	103	109	101	90	95
Hampden	143	164	138	133	124	116	129	125	110	121	143	165	139	133	128
Hampshire	142	161	138	112	122	114	113	131	113	121	159	171	151	123	134
Middlesex	376	330	300	289	392	320	282	236	268	267	388	352	338	294	362
Nantucket	217	81	76	77	114	125	28	41	54	87	201	92	77	81	101
Norfolk	511	411	447	438	406	354	327	225	412	378	568	450	445	419	388
Plymouth	329	295	262	265	223	174	160	129	153	134	270	287	241	236	256
Suffolk	2, 756	3, 874	2, 071	3, 819	4, 065	1, 761	1, 952	1, 315	906	870	1, 466	2, 509	817	1, 253	1, 944
Worcester	148	153	134	141	165	149	149	133	132	142	156	164	141	139	160
Rhode Island	188	158	147	173	197	188	186	144	158	152	183	150	142	171	179
Bristol	415	440	448	465	513	424	451	364	389	280	347	411	440	424	535
Kent	178	181	126	139	141	145	102	98	102	112	196	185	127	155	151
Newport	334	270	290	411	414	435	414	266	315	270	271	229	241	385	364
Providence	199	151	151	183	233	189	214	162	176	172	203	142	153	176	197
Washington	97	90	78	84	104	114	100	80	89	89	101	93	78	89	100
Connecticut	230	193	186	174	164	170	183	176	153	151	214	195	186	177	163
Fairfield	718	407	419	407	317	337	315	305	225	243	538	353	345	363	287
Hartford	334	341	332	258	244	228	264	254	218	184	329	355	358	289	256
Litchfield	141	115	105	114	110	120	138	143	132	132	142	127	114	122	111
Middlesex	153	151	128	125	131	150	161	143	121	139	169	173	135	145	133
New Haven	285	224	219	202	205	206	213	205	175	177	252	195	195	194	194
New London	110	109	91	89	104	106	125	129	124	127	112	120	102	92	105
Tolland	122	128	107	92	92	105	106	99	92	84	140	143	122	105	102
Windham	92	90	82	87	99	103	114	100	100	113	111	102	98	93	111

Values of all farm buildings: 1900 to 1930.—In Tables 9, 10, 11, and 15 are presented data pertaining to the value of all farm buildings for New England by States and counties. Table 10 shows the average values of all farm buildings, including dwellings of farm operators, per acre for the census years 1920, 1925, and 1930, with percentages of increase in these averages from 1925 to 1930, and from 1920 to 1930. The average values for the census years 1900 to 1930,

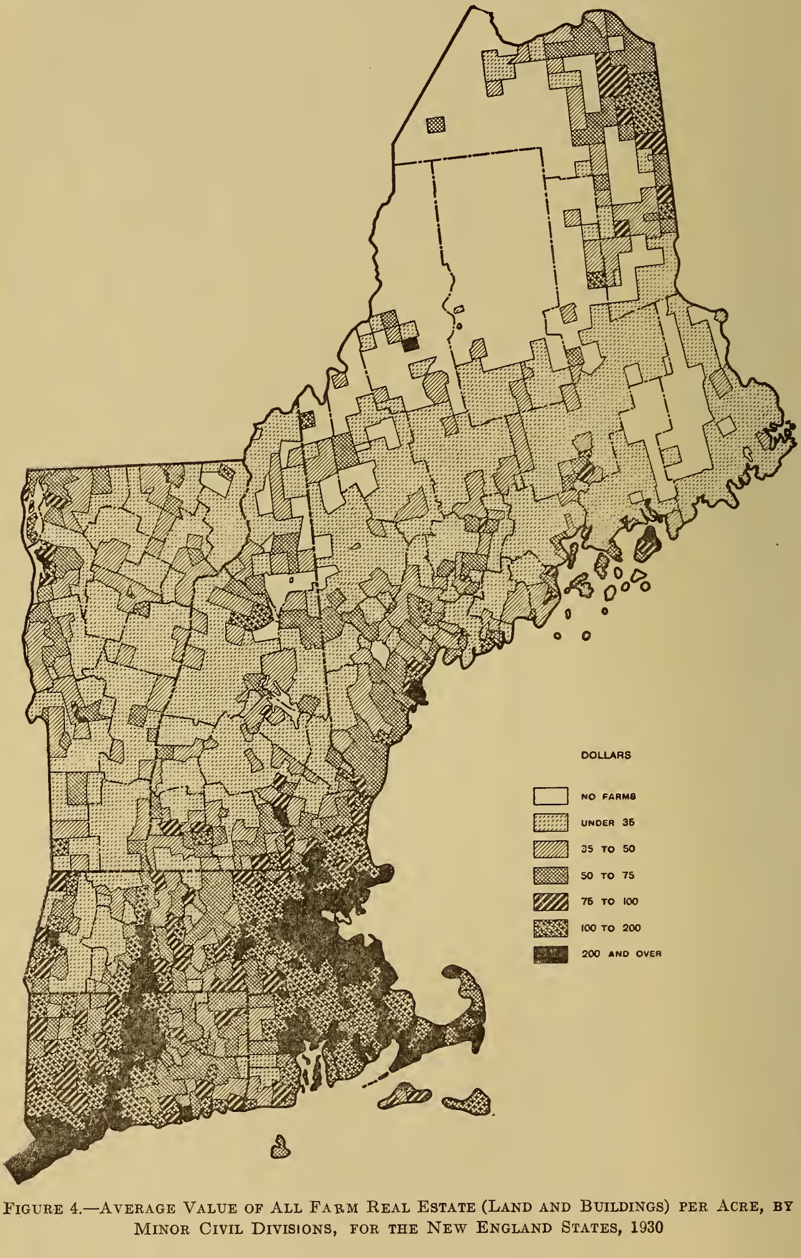

FIGURE 4.—AVERAGE VALUE OF ALL FARM REAL ESTATE (LAND AND BUILDINGS) PER ACRE, BY MINOR CIVIL DIVISIONS, FOR THE NEW ENGLAND STATES, 1930

BUREAU
LIBRARY

together with index numbers, using the census year 1910 as the base (equal to 100 per cent), appear in Table 11; while Table 15 includes ratios of the average values of all farm buildings per acre to the average value of all farm real estate per acre for each census year 1900 to 1930. The percentages in Table 9, which pertain to the value of farm buildings, show the geographic relationships between States and counties of the average values, using the average value for

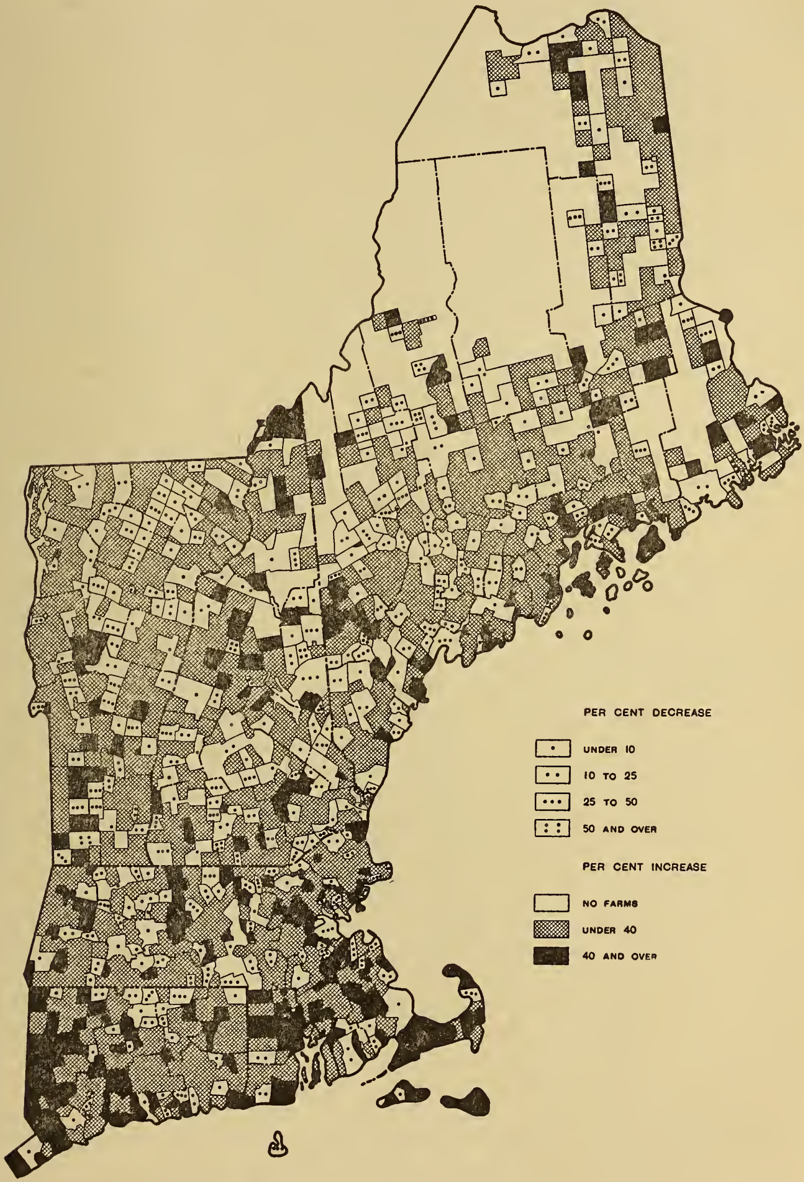

FIGURE 5.—PER CENT INCREASE (OR DECREASE) IN THE AVERAGE VALUE OF FARM REAL ESTATE (LAND AND BUILDINGS) PER ACRE, BY MINOR CIVIL DIVISIONS, FOR THE NEW ENGLAND STATES: 1925–1930

New England as a base (equal to 100 per cent) for the census years 1900 to 1930. A New England map, Figure 6, probably furnishes the best geographic comparisons of the average values of farm buildings per acre, since they are shaded by value groups, disregarding the county boundaries. For direct comparisons between the average value of all farm buildings per acre for New England, as a whole, and other geographic divisions, the reader is directed to Table 4, Chapter I, which has already been discussed. Trends in the average value of all farm buildings for New England have already been presented in Figure 2, Chapter I.

It is significant that whereas the average value of all farm real estate per acre for New England as a whole increased only 22 per cent from 1920 to 1930, the average value of all farm buildings advanced 38.5 per cent during the same period. Contrary to the increase for all farm real estate, for which the most rapid change occurred between 1925 and 1930, the larger portion of the increase in the average value of farm buildings occurred during the first half of the decade. Considering each of the New England States as a whole, the average value of buildings increased during each 5-year period of the decade; and while 6 counties scattered throughout 3 of the 6 New England States showed decreases between 1920 and 1925 in the average value of farm buildings, only 1 county (Washington County, Me.) showed a decrease for the entire decade 1920 to 1930. As in the base of the average values of all farm real estate, the more rapid increases and the highest averages for the value of farm buildings per acre occurred in the three States of Massachusetts, Rhode Island, and Connecticut, while more moderate rates of increase prevailed in the other three New England States. Among the averages for the several States, that for Connecticut, $75 per acre, was highest in 1930; and, excluding Suffolk County, Mass., the highest average value of farm buildings, among the remaining 66 counties, was found to be that for Norfolk County, Mass., with $198.81 per acre. In general, the higher average values of farm buildings per acre are located in those towns and cities in industrial areas, and in those sections utilized to a considerable degree for recreational or residential purposes. The map (fig. 6) definitely locates these areas.

The average values and index numbers of average values of all farm buildings per acre, as shown in Table 11, indicate practically a uniform rate of increase during each decade from 1900 to 1930 for Maine and New Hampshire. The trends for Massachusetts, Rhode Island, and Connecticut are somewhat similar in that they indicate the increasing rapidity of advance of the average values of farm buildings with each succeeding decade. For the entire period, 1900 to 1930, however, as has been shown in the case of the values of all farm real estate, the average value of farm buildings for Connecticut advanced more rapidly than any other New England State, from $19.46 to $75 per acre, or 184 points in the index; while the lowest rate of advance occurred for New Hampshire, where the average increased from $9.59 per acre in 1900 to $23.05 in 1930, or only 106 points in the index. The average value of land and buildings advanced more rapidly than the average value of all farm real estate over the entire 30-year period in each of the New England States, except Rhode Island. In the latter State the rates of increase in the two values were identical, taking the entire period as a whole. During the last decade 1920 to 1930 the more rapid increase in the average value of farm buildings as compared with the rates of increase in the average value of all farm real estate is particularly shown by means of the index numbers. Included in Table 11, index numbers of the average value of all farm buildings per acre, using the average for New England as a whole equal to 100 per cent, show the geographical relationships involved as between States and counties of New England. The geographic distribution is similar to that found in the case of all farm real estate, with the three southern States of New England having averages higher than that for New England as a whole, while the averages for the three northern New England States were exceeded by the New England average for each of the census years 1900 to 1930.

The ratios in Table 15 show the approximate apportionment of the value of all farm buildings and of farm land alone, when each is considered separately, to the average value of all farm real estate per acre. The ratios of the average value of buildings to the average value of all farm real estate were slightly higher in 1930 for the States of northern New England, but of great significance is the gradual upward trend in the ratio of all buildings to all farm real estate in all States except Maine, Massachusetts, and Connecticut. In the two latter States only a slight decline in the ratio is observed for the last 5-year period; while the ratio for Maine remained constant between the last two census years.

TABLE 10.—AVERAGE VALUE OF ALL FARM BUILDINGS AND IMPLEMENTS AND MACHINERY PER ACRE, 1930, 1925, AND 1920; AND OF FARM OPERATORS' DWELLINGS PER FARM, 1930, FOR NEW ENGLAND, BY STATES AND COUNTIES

[A minus sign (—) denotes decrease]

STATE AND COUNTY	ALL FARM BUILDINGS (Average value per acre)					FARM IMPLEMENTS AND MACHINERY (Average value per acre)					Average value farm operators' dwellings per farm, 1930[1]
	1930	1925	1920	Per cent increase		1930	1925	1920	Per cent increase		
				1925–1930	1920–1930				1925–1930	1920–1930	
NEW ENGLAND	$34.99	$31.01	$25.27	12.8	38.5	$6.43	$5.19	$5.44	23.9	18.2	$2,218
Maine	21.26	19.33	16.53	10.0	28.6	6.12	4.75	4.91	28.8	24.6	1,450
Androscoggin	27.56	27.65	19.62	—0.3	40.5	5.61	5.73	5.67	—2.1	—1.1	1,531
Aroostook	29.16	26.93	23.50	8.3	24.1	12.24	8.68	9.34	41.0	31.0	1,965
Cumberland	37.85	33.35	25.42	13.5	48.9	6.66	5.47	5.62	21.8	18.5	2,058
Franklin	15.12	12.79	11.00	18.2	37.5	4.12	3.29	3.29	25.2	25.2	1,267
Hancock	17.65	16.03	16.29	10.1	8.3	4.11	2.96	3.10	38.9	32.6	1,171
Kennebec	23.22	21.94	19.39	5.8	19.8	5.43	4.46	4.75	21.7	14.3	1,431
Knox	24.69	22.04	17.51	12.0	41.0	4.64	3.91	3.99	18.7	16.3	1,234
Lincoln	20.51	18.38	15.36	11.6	33.5	3.65	3.39	3.15	7.7	15.9	1,233
Oxford	15.50	13.89	11.67	11.6	32.8	3.85	3.21	3.75	19.9	2.7	1,334
Penobscot	18.45	16.37	15.04	12.7	22.7	5.57	4.42	4.75	26.0	17.3	1,344
Piscataquis	12.32	12.86	10.77	—4.2	14.4	4.63	3.99	3.72	16.0	24.5	1,175
Sagadahoc	19.49	16.32	16.51	19.4	18.0	4.02	3.32	4.31	21.1	—6.7	1,355
Somerset	15.21	13.83	11.31	10.0	34.5	4.36	3.50	3.41	24.6	27.9	1,172
Waldo	13.73	12.38	11.86	10.9	15.8	4.29	3.39	3.73	26.5	15.0	964
Washington	10.27	12.10	11.39	—15.1	—9.8	2.95	3.02	2.92	—2.3	1.0	998
York	28.26	26.26	19.50	7.6	44.9	5.56	5.74	4.42	—3.1	25.8	1,675
New Hampshire	23.05	21.84	16.35	5.5	41.0	4.55	3.97	3.65	14.6	24.7	1,738
Belknap	20.28	17.84	16.31	13.7	24.3	4.57	3.71	3.72	23.2	22.8	1,524
Carroll	20.42	18.75	13.61	8.9	50.0	2.98	3.31	2.69	—10.0	10.8	1,769
Cheshire	26.32	23.20	18.32	13.4	43.7	3.79	3.33	3.78	13.8	0.3	1,866
Coos	16.67	14.17	13.58	17.6	22.8	4.25	3.51	3.55	21.1	19.7	1,525
Grafton	16.52	15.21	11.77	8.6	40.4	4.10	4.00	3.28	2.5	25.0	1,550
Hillsborough	29.48	29.42	19.89	0.2	48.2	5.64	5.17	4.34	9.1	30.0	1,979
Merrimack	20.54	19.42	14.03	5.8	46.4	4.05	3.41	3.31	18.8	22.4	1,734
Rockingham	38.32	39.15	28.33	—2.1	35.3	6.42	4.80	5.09	33.8	26.1	1,956
Strafford	31.92	28.14	17.62	13.4	81.2	5.50	4.98	3.47	10.4	58.5	1,728
Sullivan	17.06	13.52	12.53	26.2	36.2	4.34	3.15	3.15	37.8	37.8	1,460
Vermont	21.13	18.70	17.98	13.0	17.5	5.33	4.62	5.01	15.4	6.4	1,727
Addison	22.86	19.68	22.25	16.2	2.7	6.01	5.29	6.06	13.6	—0.8	1,968
Bennington	29.52	17.28	19.85	70.8	48.7	5.11	3.96	3.75	29.0	36.3	2,827
Caledonia	18.81	17.35	17.87	8.4	5.3	5.10	4.59	5.06	11.1	0.8	1,404
Chittenden	29.82	25.19	24.71	18.4	20.7	6.15	5.75	6.47	7.0	—4.9	2,181
Essex	14.03	10.43	11.57	34.5	21.3	3.92	3.15	3.91	24.4	0.3	1,392
Franklin	24.84	23.77	23.07	4.5	7.7	6.03	4.67	5.55	29.1	8.6	1,800
Grand Isle	45.10	37.46	37.38	20.4	20.7	9.48	6.38	7.76	48.6	22.2	2,449
Lamoille	16.54	16.75	16.41	—1.3	0.8	4.89	4.52	5.09	8.2	—3.9	1,271
Orange	14.73	13.87	12.85	6.2	14.6	4.49	3.69	4.55	21.7	—1.3	1,252
Orleans	21.43	20.87	18.57	2.7	15.4	6.21	5.67	5.84	9.5	6.3	1,651
Rutland	21.47	21.47	16.94	------	26.7	5.02	5.01	4.22	0.2	19.0	2,133
Washington	20.58	20.36	18.88	1.1	9.0	5.75	5.10	5.58	12.7	3.0	1,555
Windham	15.91	14.75	12.38	7.9	28.5	4.04	3.49	3.92	15.8	3.1	1,505
Windsor	19.26	14.76	14.25	30.5	35.2	4.77	4.05	4.22	17.8	13.0	1,652

[1] Based on total number of farms.

TABLE 10.—AVERAGE VALUE OF ALL FARM BUILDINGS AND IMPLEMENTS AND MACHINERY PER ACRE, 1930, 1925, AND 1920; AND OF FARM OPERATORS' DWELLINGS PER FARM, 1930, FOR NEW ENGLAND, BY STATES AND COUNTIES—Continued

[A minus sign (−) denotes decrease]

STATE AND COUNTY	ALL FARM BUILDINGS (Average value per acre)					FARM IMPLEMENTS AND MACHINERY (Average value per acre)					Average value farm operators' dwellings, per farm, 1930[1]
	1930	1925	1920	Per cent increase		1930	1925	1920	Per cent increase		
				1925–1930	1920–1930				1925–1930	1920–1930	
Massachusetts	$71.32	$60.89	$48.08	17.1	48.3	$9.34	$7.20	$7.76	29.7	20.4	$3,050
Barnstable	111.78	86.60	46.89	29.1	138.4	13.59	9.81	7.46	38.5	82.2	2,976
Berkshire	36.70	31.48	25.50	16.6	43.9	5.24	3.68	4.06	42.4	29.1	2,901
Bristol	94.51	79.58	60.30	18.8	56.7	12.74	8.91	9.76	43.0	30.5	2,786
Dukes	18.06	20.47	13.92	−11.8	29.7	2.72	2.07	2.33	31.4	16.7	2,393
Essex	125.61	100.18	107.00	25.4	17.4	14.70	11.31	11.70	30.0	25.6	3,460
Franklin	36.04	33.68	25.50	7.0	41.3	6.04	5.19	5.55	16.4	8.8	2,044
Hampden	49.87	51.19	35.02	−2.6	42.4	6.49	5.56	6.16	16.7	5.4	2,634
Hampshire	55.63	52.95	38.17	5.1	45.7	7.59	7.19	7.25	5.6	4.7	2,709
Middlesex	135.77	109.10	85.30	24.4	59.2	16.73	13.54	13.65	23.6	22.6	4,214
Nantucket	70.37	28.56	19.50	146.4	260.9	10.58	7.37	3.30	43.6	220.6	5,748
Norfolk	198.81	139.49	112.33	42.5	77.0	18.55	13.36	13.27	38.8	39.8	4,720
Plymouth	94.34	89.05	60.95	5.9	54.8	12.91	9.85	9.93	31.1	30.0	2,977
Suffolk	512.94	778.03	206.41	−34.1	148.5	48.64	89.77	38.53	−45.8	26.2	3,307
Worcester	54.62	50.84	35.72	7.4	52.9	7.68	5.65	6.60	35.9	16.4	2,805
Rhode Island	64.05	43.53	35.82	37.7	78.8	9.73	6.68	7.26	45.7	34.0	2,965
Bristol	121.28	127.30	111.28	−4.7	9.0	18.24	10.64	15.84	71.4	15.2	3,647
Kent	68.49	57.26	32.06	19.6	113.6	10.15	5.64	5.63	80.0	80.3	3,063
Newport	94.93	70.92	60.96	33.9	55.7	15.39	10.00	13.38	53.9	15.0	2,961
Providence	71.06	44.18	38.76	60.8	83.3	9.91	6.59	8.15	50.4	21.6	2,953
Washington	35.31	28.83	19.59	22.5	80.2	6.14	5.48	4.07	12.0	50.9	2,742
Connecticut	75.00	60.36	46.91	24.3	59.9	8.23	6.34	6.98	29.8	17.9	3,708
Fairfield	188.40	109.59	87.26	71.9	115.9	11.44	8.20	10.78	39.5	6.1	7,747
Hartford	115.25	110.07	90.36	4.7	27.5	13.12	10.85	12.72	20.9	3.1	3,768
Litchfield	49.57	39.51	28.84	25.5	71.9	6.34	4.31	4.45	47.1	42.5	3,828
Middlesex	59.17	53.80	34.23	10.0	72.9	7.03	5.26	4.42	33.7	59.0	2,807
New Haven	88.01	60.43	49.28	45.6	78.6	12.94	8.32	8.77	55.5	47.5	3,662
New London	39.23	37.25	25.65	5.3	52.9	4.90	4.09	4.42	19.8	10.9	2,504
Tolland	48.93	44.28	30.79	10.5	58.9	6.46	5.95	5.54	8.6	16.6	2,472
Windham	38.71	31.66	24.75	22.3	56.4	4.79	4.37	4.17	9.6	14.9	2,168

---

[1] Based on total number of farms.

TABLE 11.—AVERAGE VALUE AND INDEX NUMBER OF ALL FARM BUILDINGS PER ACRE, 1900 TO 1930, AND AVERAGE VALUE OF FARM OPERATORS' DWELLINGS PER FARM, 1930, FOR NEW ENGLAND, BY STATES AND COUNTIES

STATE AND COUNTY	ALL FARM BUILDINGS (Average value per acre)					INDEX NUMBER OF AVERAGE VALUES PER ACRE (1910 base = 100 per cent)					AVERAGE VALUE OF FARM OPERATORS' DWELLINGS PER FARM (Based on total number of farms)			Average value of farm operators' dwellings per farm reporting, 1930
	1930	1925	1920	1910	1900	1930	1925	1920	1910	1900	Average value 1930	Average as per cent of New England	Ratio to all real estate per farm	
NEW ENGLAND	$34.99	$31.01	$25.27	$17.06	$11.91	205	182	148	100	70	$2,218	100	29.5	$2,325
Maine	21.26	19.33	16.53	11.62	7.48	183	166	142	100	64	1,450	65	29.1	1,521
Androscoggin	27.56	27.65	19.62	14.62	11.83	189	189	134	100	81	1,531	69	35.6	1,579
Aroostook	29.16	26.93	23.50	12.51	5.39	233	215	188	100	43	1,965	89	19.0	2,106
Cumberland	37.85	33.35	25.42	18.54	12.39	204	180	137	100	67	2,058	93	33.1	2,151
Franklin	15.12	12.79	11.00	7.66	4.35	197	167	144	100	57	1,267	57	32.1	1,333
Hancock	17.65	16.03	16.29	10.78	6.91	164	149	151	100	64	1,171	53	31.6	1,235
Kennebec	23.22	21.94	19.39	14.49	10.10	160	151	134	100	70	1,431	65	37.3	1,513
Knox	24.69	22.04	17.51	15.37	10.75	161	143	114	100	70	1,234	56	38.7	1,275
Lincoln	20.51	18.38	15.36	11.60	8.30	177	158	132	100	72	1,233	56	43.1	1,268
Oxford	15.50	13.89	11.67	8.16	5.60	190	170	143	100	69	1,334	60	32.1	1,392

TABLE 11.—AVERAGE VALUE AND INDEX NUMBER OF ALL FARM BUILDINGS PER ACRE, 1900 TO 1930, AND AVERAGE VALUE OF FARM OPERATORS' DWELLINGS PER FARM, 1930, FOR NEW ENGLAND, BY STATES AND COUNTIES—Con.

STATE AND COUNTY	ALL FARM BUIDINGS (Average value per acre)					INDEX NUMBER OF AVERAGE VALUES PER ACRE (1910 base = 100 per cent)					AVERAGE VALUE OF FARM OPERATORS' DWELLINGS PER FARM (Based on total number of farms)			Average value of farm operators' dwellings per farm reporting, 1930
	1930	1925	1920	1910	1900	1930	1925	1920	1910	1900	Average value 1930	Average as per cent of New England	Ratio to all real estate per farm	
Maine—Con.														
Penobscot	$18.45	$16.37	$15.04	$11.30	$7.30	163	145	133	100	65	$1,344	61	35.2	$1,385
Piscataquis	12.32	12.86	10.77	8.38	5.21	147	153	129	100	62	1,175	53	30.3	1,232
Sagadahoc	19.49	16.32	16.51	13.10	9.15	149	125	126	100	70	1,355	61	38.6	1,404
Somerset	15.21	13.83	11.31	8.51	5.52	179	163	133	100	65	1,172	53	31.5	1,237
Waldo	13.73	12.38	11.86	9.44	6.65	145	131	126	100	70	964	43	35.8	1,021
Washington	10.27	12.10	11.39	7.85	4.93	131	154	145	100	63	997	45	32.0	1,045
York	28.26	26.26	19.50	16.49	11.50	171	159	118	100	70	1,675	76	32.0	1,759
New Hampshire	**23.05**	**21.84**	**16.35**	**12.74**	**9.59**	**181**	**171**	**128**	**100**	**75**	**1,738**	**78**	**33.5**	**1,828**
Belknap	20.28	17.84	16.31	12.30	9.30	165	145	133	100	76	1,524	69	29.4	1,595
Carroll	20.42	18.75	13.61	11.27	6.37	181	166	121	100	57	1,769	80	33.0	1,862
Cheshire	26.32	23.20	18.32	11.51	9.46	229	202	159	100	82	1,866	84	28.7	1,971
Coos	16.67	14.17	13.58	10.23	6.63	163	139	133	100	65	1,525	69	28.2	1,602
Grafton	16.52	15.21	11.77	9.65	7.14	171	158	122	100	74	1,550	70	30.7	1,642
Hillsborough	29.48	29.42	19.89	15.98	11.90	184	184	124	100	74	1,979	89	34.1	2,052
Merrimack	20.54	19.42	14.03	11.89	9.12	173	163	118	100	77	1,734	78	36.3	1,815
Rockingham	38.32	39.15	28.33	22.65	18.74	169	173	125	100	83	1,956	88	38.5	2,066
Strafford	31.92	28.14	17.62	14.15	13.03	226	199	125	100	92	1,728	78	32.8	1,894
Sullivan	17.06	13.52	12.53	9.04	6.71	189	150	139	100	74	1,460	66	38.1	1,513
Vermont	**21.13**	**18.70**	**17.98**	**11.62**	**7.89**	**182**	**161**	**155**	**100**	**68**	**1,727**	**78**	**29.5**	**1,773**
Addison	22.86	19.68	22.25	12.79	9.62	179	154	174	100	75	1,968	89	27.0	1,992
Bennington	29.52	17.28	19.85	12.98	7.77	227	133	153	100	60	2,827	127	33.8	2,866
Caledonia	18.81	17.35	17.87	10.32	7.49	182	168	173	100	73	1,404	63	28.7	1,448
Chittenden	29.82	25.19	24.71	18.12	12.54	165	139	136	100	69	2,181	98	27.3	2,234
Essex	14.03	10.43	11.57	6.88	4.91	204	152	168	100	71	1,392	63	26.9	1,425
Franklin	24.84	23.77	23.07	14.86	9.61	167	160	155	100	65	1,800	81	24.3	1,858
Grand Isle	45.10	37.46	37.38	24.81	16.28	182	151	151	100	66	2,449	110	26.3	2,495
Lamoille	16.54	16.75	16.41	10.19	6.27	162	164	161	100	62	1,271	57	30.2	1,330
Orange	14.73	13.87	12.85	8.90	6.27	166	156	144	100	70	1,252	56	31.9	1,290
Orleans	21.43	20.87	18.57	10.98	7.00	195	190	169	100	64	1,651	74	28.3	1,696
Rutland	21.47	21.47	16.94	11.87	8.96	181	181	143	100	75	2,133	96	32.5	2,167
Washington	20.58	20.36	18.88	11.28	7.19	182	180	167	100	64	1,555	70	31.5	1,589
Windham	15.91	14.75	12.38	8.34	6.32	191	177	148	100	76	1,505	68	30.9	1,562
Windsor	19.26	14.76	14.25	10.67	6.79	181	138	134	100	64	1,652	74	34.6	1,703
Massachusetts	**71.32**	**60.89**	**48.08**	**30.82**	**22.59**	**231**	**198**	**156**	**100**	**73**	**3,050**	**138**	**29.9**	**3,251**
Barnstable	111.78	86.60	46.89	33.71	21.52	332	257	139	100	64	2,976	134	28.5	3,601
Berkshire	36.70	31.48	25.50	18.57	13.62	198	170	137	100	73	2,901	131	28.8	3,039
Bristol	94.51	79.58	60.30	39.44	30.20	240	202	153	100	77	2,786	126	34.6	2,984
Dukes	18.06	20.47	13.92	12.06	9.19	150	170	115	100	76	2,393	108	23.6	2,628
Essex	125.61	100.18	107.00	56.96	37.35	221	176	188	100	66	3,460	156	26.3	3,775
Franklin	36.04	33.68	25.50	15.40	11.31	234	219	166	100	73	2,044	92	33.3	2,103
Hampden	49.87	51.19	35.02	22.71	15.30	220	225	154	100	67	2,634	119	30.1	2,779
Hampshire	55.63	52.95	38.17	20.93	16.00	266	253	182	100	76	2,709	122	32.6	2,833
Middlesex	135.77	109.10	85.30	50.16	43.14	271	218	170	100	86	1,318	59	9.1	4,466
Nantucket	70.37	28.56	19.50	13.81	12.06	510	207	141	100	87	5,748	259	24.9	5,748
Norfolk	198.81	139.49	112.33	71.51	46.16	278	195	157	100	65	4,720	213	28.8	5,120
Plymouth	94.34	89.05	60.95	40.25	30.46	234	221	151	100	76	2,977	134	23.7	3,402
Suffolk	512.94	778.03	206.41	213.70	231.53	240	364	97	100	108	3,307	149	6.8	5,253
Worcester	54.62	50.84	35.72	23.69	19.00	231	215	151	100	80	2,805	126	32.6	2,957
Rhode Island	**64.05**	**46.53**	**35.82**	**29.15**	**21.30**	**220**	**160**	**123**	**100**	**73**	**2,965**	**134**	**28.5**	**3,149**
Bristol	121.28	127.30	111.28	72.25	63.70	168	176	154	100	88	3,647	164	25.3	3,834
Kent	68.49	57.26	32.06	26.46	17.95	259	216	121	100	68	3,063	138	33.4	3,199
Newport	94.93	70.92	60.96	65.76	43.34	144	108	93	100	66	2,961	133	22.6	3,186
Providence	71.06	44.18	38.76	30.11	23.41	236	147	129	100	78	2,953	133	29.8	3,189
Washington	35.31	28.83	19.59	15.17	11.88	233	190	129	100	78	2,742	124	30.8	2,829
Connecticut	**75.00**	**60.36**	**46.91**	**30.25**	**19.46**	**248**	**200**	**155**	**100**	**64**	**3,708**	**167**	**28.0**	**3,871**
Fairfield	188.40	109.59	87.26	61.96	34.17	304	177	141	100	55	7,747	349	24.0	8,476
Hartford	115.25	110.07	90.36	49.25	30.45	234	223	183	100	62	3,768	170	25.7	3,961
Litchfield	49.57	39.51	28.84	20.85	13.25	238	189	138	100	64	3,828	173	32.1	4,065
Middlesex	59.17	53.80	34.23	24.66	15.84	240	218	139	100	64	2,807	127	34.1	2,854
New Haven	88.01	60.43	49.28	33.14	23.12	266	182	149	100	70	3,662	165	28.0	3,884
New London	39.23	37.25	25.65	15.70	12.50	250	237	163	100	80	2,504	113	32.3	2,546
Tolland	48.93	44.28	30.79	17.87	12.15	274	248	172	100	68	2,472	111	34.2	2,505
Windham	38.71	31.66	24.75	15.94	13.24	243	199	155	100	83	2,168	98	35.9	2,205

Geographic differences in the value of dwellings of farm operators, 1930.—In Tables 12 and 13 are presented the median values of dwellings of farm operators for New England, by States and counties, together with the median values and median monthly rentals of nonfarm homes of farm operators derived from the total value of dwellings and the total number of all farms; while ratios of these same averages to the average value of dwellings of farm operators for New

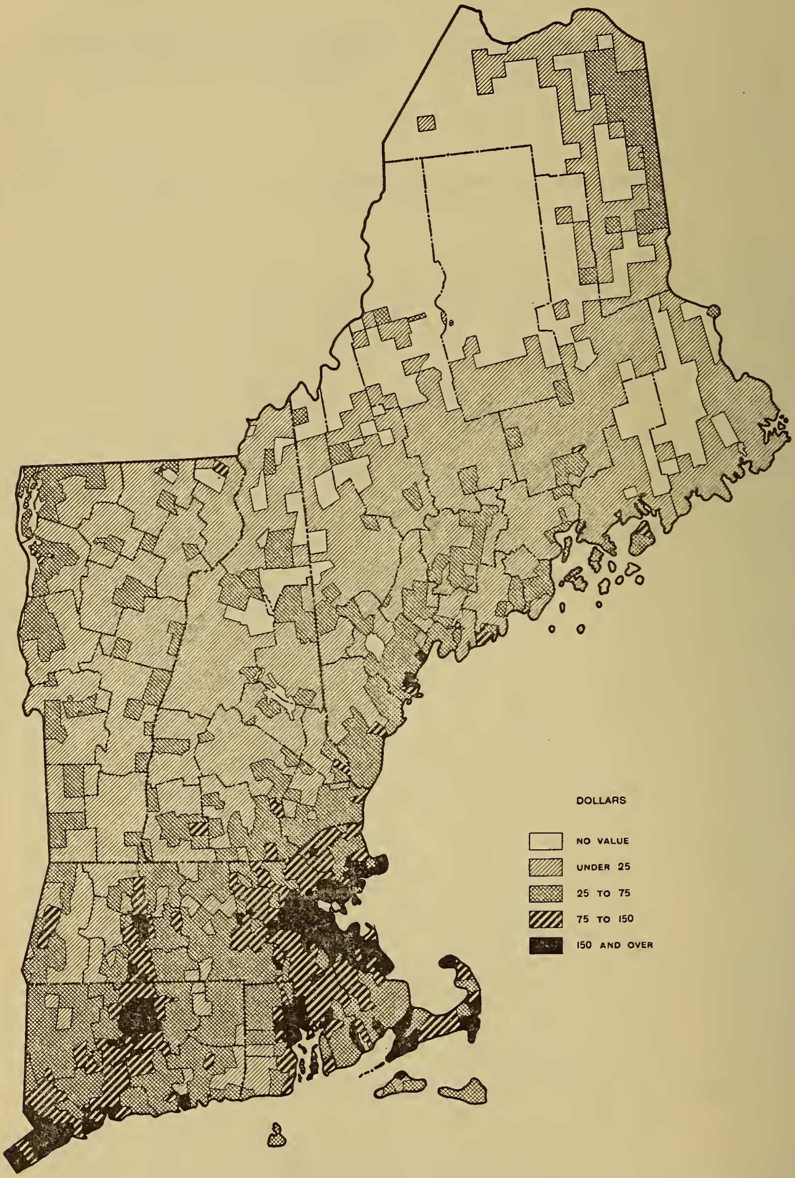

Figure 6.—Average Value of All Farm Buildings per Acre, by Minor Civil Divisions, for the New England States, 1930

England as a whole, and to the average value of all farm real estate per farm for each corresponding State and county, appear in Table 11; together with the average values of dwellings of farm operators computed on the basis of the information obtained only from those farms which actually reported values of dwellings. On page 46 a New England map is presented showing the geographic variations in the average values of dwellings of farm operators. The average values on which this map is based are those obtained by dividing the total value of dwellings reported for each minor civil division (town or township) by the total number of all farms in each division. The median values and median monthly rentals of nonfarm homes were obtained from information obtained in 1930 by the population division of the Bureau of the Census. The median value is defined, in a general way, as that item, or value, which stands at the midpoint of a series arranged in order of size. Figures in greater detail pertaining to the median values and rentals of nonfarm homes may be obtained from the report entitled "Families," published by the Bureau of the Census. Contained in this report, also, is a formula and statement of the method of computing the medians. The same method used to compute the median values and rentals of nonfarm homes was also used to derive the median values of dwellings of farm operators. The median values of the dwellings of farm operators, as well as of the nonfarm homes, represent the approximate median market value of the dwelling, or home, as of April 1, 1930. The median monthly rental of nonfarm homes represents the approximate monthly rental, or approximate rental value per month. No data are available pertaining to the size of the homes for which median values and rentals have been computed.

It was found, as might be expected, that the median values of dwellings of farm owner-operators (including managers) were somewhat higher than the median values of the dwellings of farm tenant-operators. In relatively few counties in New England were the median values of dwellings of all farm operators equal to one-half the median value of owned nonfarm homes in the same county. The majority of those counties in which the median value of dwellings of all farm operators was less than one-half the median value of owned nonfarm homes were located in Maine, New Hampshire, and Vermont, where more of the owned nonfarm homes were located in rural territory away from the larger cities and industrial areas than may be found in Massachusetts, Rhode Island, and Connecticut. Median values of all homes, including both those of farm operators' dwellings and nonfarm owners, and the median rentals of nonfarm homes were considerably higher in the three southern New England States than in the three northern States. It was also found that the higher median values and rentals were in those counties which include industrial and recreational areas, or cities of fair size.

The median value of dwellings of all farm operators, farm owner-operators (including managers), and tenant operators, and the median value of owned nonfarm homes, among the medians computed for the six New England States was highest for Connecticut with a median value of $2,969 for dwellings of all farm operators, $2,976 for dwellings of farm owner-operators (including managers), $2,836 for dwellings of tenant farm operators, and $7,013 for owned nonfarm homes. The highest median rental of tenant nonfarm homes was found for Massachusetts with a median monthly rental of $29.70 for the State as a whole. The lowest median values were found for Maine, with a median value of $1,264 for dwellings of all farm operators, $1,274 for dwellings of farm owner-operators (including managers), $1,013 for tenant farm operators, and $3,233 for owned nonfarm homes. The lowest median rentals of tenant nonfarm homes was found for Vermont, with a median rental of $18.46 per month. It is quite probable that if data were available concerning the median monthly rental of tenant farm operators' dwellings, the ratio of the median monthly rental of tenant nonfarm homes to the value of owner nonfarm homes, would be about the same as the ratio of the monthly rental of tenant farm operators' dwellings to the median value of dwellings of owner-operators (including managers).

The county found to have the highest median value of dwellings of all farm operators was Fairfield County, Conn., with a median value of $4,733, and the highest median value of owned nonfarm homes was determined for Hartford County, Conn., with a median value of $8,781. Norfolk County, Mass., had the highest median monthly rental for nonfarm homes. The lowest median values were found for Waldo County, Me., for dwellings of all farm operators, with a median value of $920; and for Washington County, Me., for owned nonfarm homes, with a median value of $1,427. The lowest median monthly rental of nonfarm homes was also found for Washington County, Me., with a median rental of $10.29.

A comparison between the median values of dwellings of all farm operators presented in Table 13, and the average values of dwellings of farm operators as shown in Tables 10 and 11, show that with very few exceptions the county averages in Table 10, exceed the median values for corresponding counties in Table 13. The average values based on the number of farms reporting value of dwellings, as shown in Table 11, are somewhat higher than those presented in Table 10, and exceed, in each instance, the median values for corresponding counties as shown in Table 13. The same counties which had the highest and lowest median values of dwellings of all farm operators, also had the highest and lowest average values per farm as determined in Tables 10 and 11, namely Fairfield County, Conn., with the highest average, and Waldo County, Me., with the lowest average value.

The ratio of the average value of dwellings of farm operators per farm (based on the total number of farms) to the average value of all farm real estate per farm appears to be fairly uniform throughout the New England States. These ratios reflect the uniformity of the proportion of total farm investment, or value, which is devoted to the farm dwelling. The highest ratio of 43.1 per cent was found for Lincoln County, Me., and the lowest (excluding Suffolk and Middlesex Counties, Mass., where greenhouse and nursery projects tend to distort the ratio) was found for Aroostook County, Me., with a ratio of 19 per cent.

The map for New England (fig. 7) showing the average values of dwellings of farm operators per farm (based on the total number of all farms) indicates that the higher average values for farm operators' dwellings are located in the metropolitan areas adjacent to large cities, in the industrial and recreational sections, and in those towns located in the more highly productive agricultural areas.

TABLE 12.—MEDIAN VALUE OF DWELLINGS OF FARM OPERATORS, AND MEDIAN VALUE AND MONTHLY RENTAL OF NONFARM HOMES, FOR NEW ENGLAND, BY STATES, 1930

STATE	DWELLINGS OF FARM OPERATORS						OWNED NONFARM HOMES		RENTED NONFARM HOMES	
	Total		Owners, including managers		Tenants					
	Farms reporting value	Median value	Farms reporting value	Median value	Farms reporting value	Median value	Homes reporting value	Median value	Homes reporting rental	Median monthly rental
New England	**119,207**	**$1,820**	**112,320**	**$1,832**	**6,887**	**$1,613**	**789,756**	**$5,834**	**1,013,373**	**$27.29**
Maine	37,175	1,264	35,697	1,274	1,478	1,013	82,705	3,233	68,603	19.35
New Hampshire	14,168	1,578	13,466	1,596	702	1,288	49,865	3,533	49,925	18.83
Vermont	24,247	1,538	21,944	1,541	2,303	1,504	31,141	4,031	31,208	18.46
Massachusetts	24,018	2,782	22,875	2,799	1,143	2,440	409,737	6,249	560,109	29.70
Rhode Island	3,128	2,600	2,778	2,652	350	2,169	63,903	6,153	95,091	24.49
Connecticut	16,471	2,969	15,560	2,976	911	2,836	152,405	7,013	208,437	28.41

TABLE 13.—MEDIAN VALUE OF DWELLINGS OF FARM OPERATORS AND MEDIAN VALUE AND MONTHLY RENTAL OF NONFARM HOMES FOR NEW ENGLAND, BY STATES AND COUNTIES, 1930

[Median value and median rental not shown where number of reports was less than 100]

STATE AND COUNTY	DWELLINGS OF FARM OPERATORS		OWNED NONFARM HOMES		RENTED NONFARM HOMES	
	Farms reporting value	Median value	Homes reporting value	Median value	Homes reporting rental	Median monthly rental
NEW ENGLAND	119,207	$1,820	789,756	$5,834	1,013,373	$27.29
Maine	37,175	1,254	82,705	3,233	68,603	19.35
Androscoggin	2,252	1,411	6,158	4,774	8,523	23.47
Aroostook	6,025	1,773	5,316	2,515	4,219	13.85
Cumberland	2,136	1,828	14,085	4,909	15,894	26.59
Franklin	1,454	1,178	1,986	2,866	1,533	13.43
Hancock	1,233	1,071	4,967	1,820	2,070	12.74
Kennebec	3,397	1,312	6,500	3,962	6,191	19.86
Knox	1,786	1,073	3,810	2,512	2,422	15.75
Lincoln	1,819	1,119	1,924	2,084	652	13.53
Oxford	2,688	1,210	3,798	3,279	3,395	19.59
Penobscot	3,941	1,215	9,878	3,639	7,656	19.54
Piscataquis	875	1,007	2,235	2,900	1,430	13.81
Sagadahoc	787	1,221	2,240	2,183	1,468	14.18
Somerset	2,839	1,089	3,604	2,869	2,871	16.55
Waldo	2,371	920	2,121	1,815	1,004	12.61
Washington	1,518	921	5,244	1,427	2,316	10.29
York	2,054	1,517	8,839	3,347	6,959	17.87
New Hampshire	14,168	1,578	49,865	3,533	49,925	18.83
Belknap	732	1,392	2,810	3,415	2,244	17.96
Carroll	932	1,331	2,076	1,904	923	13.37
Cheshire	1,043	1,639	4,166	3,286	3,287	18.31
Coos	1,156	1,406	3,719	3,975	3,703	19.11
Grafton	1,960	1,348	4,761	3,031	4,137	18.18
Hillsborough	1,958	1,858	12,871	4,370	18,625	19.60
Merrimack	1,908	1,664	6,367	3,434	5,387	19.22
Rockingham	2,327	1,943	6,799	3,035	4,607	18.41
Strafford	868	1,645	4,199	2,935	4,368	17.17
Sullivan	1,284	1,243	2,097	3,421	2,644	20.23
Vermont	24,247	1,538	31,141	4,031	31,208	18.46
Addison	1,998	1,827	1,220	2,853	1,140	11.59
Bennington	937	2,119	2,485	4,368	2,304	18.11
Caledonia	2,023	1,360	1,905	3,600	2,619	17.46
Chittenden	1,798	1,960	4,162	4,984	4,756	22.17
Essex	559	1,397	530	2,697	570	14.69
Franklin	2,230	1,768	2,373	3,696	2,183	16.66
Grand Isle	426	2,305	234	2,911	166	10.93
Lamoille	1,361	1,280	792	2,793	606	12.77
Orange	2,229	1,116	1,203	2,759	827	13.16
Orleans	2,275	1,602	1,553	3,548	1,663	16.99
Rutland	2,118	1,865	4,930	4,444	4,627	18.41
Washington	2,132	1,413	3,807	4,382	4,112	21.81
Windham	1,604	1,329	2,402	4,282	2,599	19.69
Windsor	2,557	1,483	3,545	3,935	3,036	18.61
Massachusetts	24,018	2,782	409,737	6,249	560,109	29.70
Barnstable	400	3,507	6,104	4,680	2,489	22.41
Berkshire	1,531	2,512	12,612	5,588	15,242	23.35
Bristol	2,840	2,788	32,253	5,083	49,474	22.35
Dukes	61	----------	934	4,541	301	22.05
Essex	1,855	3,090	53,352	5,700	65,925	28.08
Franklin	2,620	1,772	5,189	4,858	4,689	20.65
Hampden	1,693	2,607	29,545	6,803	48,300	29.47
Hampshire	2,475	2,576	7,128	5,593	6,764	21.40
Middlesex	3,258	3,957	100,655	6,912	116,711	35.74
Nantucket	23	----------	658	6,865	326	30.42
Norfolk	1,040	3,944	40,450	6,653	29,260	39.92
Plymouth	1,517	3,140	22,424	4,983	17,259	23.28
Suffolk	17	----------	53,160	7,324	140,992	36.54
Worcester	4,688	2,575	45,273	5,709	62,377	24.06
Rhode Island	3,128	2,600	63,903	6,153	95,091	24.49
Bristol	137	3,081	2,650	5,058	2,779	20.16
Kent	567	2,476	6,311	4,827	5,443	17.97
Newport	581	2,630	4,566	4,822	4,706	24.59
Providence	1,241	2,757	46,929	6,580	78,827	25.30
Washington	602	2,069	3,447	4,633	3,336	16.81
Connecticut	16,471	2,969	152,405	7,013	208,437	28.41
Fairfield	1,902	4,733	39,846	7,320	50,381	29.36
Hartford	3,560	3,584	34,385	8,781	59,342	32.85
Litchfield	2,047	3,610	9,322	6,055	7,880	22.82
Middlesex	1,241	2,648	5,927	5,128	4,595	22.08
New Haven	2,032	3,577	43,952	7,138	62,547	29.03
New London	2,289	2,362	11,999	5,477	13,858	21.38
Tolland	1,532	2,449	2,717	4,655	2,676	15.97
Windham	1,868	1,975	4,257	4,424	7,158	14.50

Value of farm land (excluding buildings): 1900 to 1930.—Tables 7, 14, and 15 present data relating to the average value of all farm land alone (excluding buildings) per acre, for New England, by States and counties. In Table 5 comparative data for the average value of farm land alone per acre for each geographic division have already been discussed in Chapter I, where reference has, also, been made to Figure 3, which shows the trends in the value of all

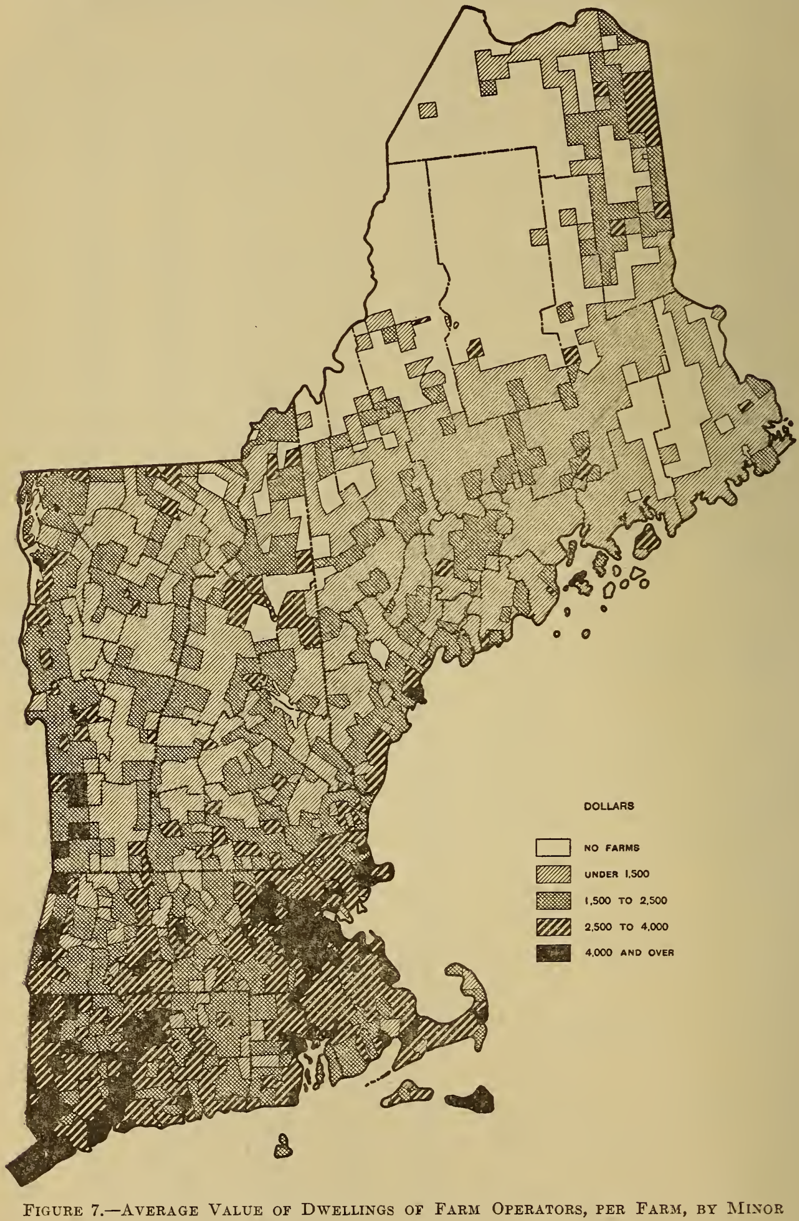

FIGURE 7.—AVERAGE VALUE OF DWELLINGS OF FARM OPERATORS, PER FARM, BY MINOR CIVIL DIVISIONS, FOR THE NEW ENGLAND STATES, 1930

farm land per acre from 1900 to 1930. A map (fig. 8) of New England showing the geographic distribution of the average values of farm land alone, by minor civil divisions, disregarding county boundaries, is also presented.

A noteworthy fact to which attention is called in connection with the average value of all farm land alone per acre is the increase, between the census years 1920 and 1930, of only 7.4 per cent in the average value of land alone for New England as a whole, as compared with the increases during the same period of 22 per cent in the average value of all farm real estate and 38.5 per cent in the average value of farm buildings per acre. The average value of farm land alone per acre was the only one of the three above-mentioned items which actually decreased for New England as a whole from 1920 to 1925. With the general recovery of business conditions from 1925 to 1930, the average value of farm land increased 18.3 per cent, or from $26.10 to $30.87 per acre, for New England as a whole, as compared with the decline from $28.73 to $26.10 per acre during the first half of the decade.

The highest average value of farm land alone per acre among the New England States for the census year 1930 was found for Connecticut, with an average of $76.38 per acre. The average value of all farm land also increased more rapidly in Connecticut than in any other New England State during the entire decade 1920 to 1930, as well as during the last five years of that period. The average value for Connecticut as a whole advanced 43.4 per cent during the decade and 53.2 per cent during the period 1925 to 1930. More moderate increases occurred in Massachusetts and Rhode Island during this 10-year interval.

The lowest average value of all farm land alone per acre among the New England States for the census year 1930 was found for Vermont, where the average was $16.33 per acre, as compared with $19.58 per acre for the State in 1920. The greatest decrease among the New England States in the average value of all farm land between the census years 1920 to 1930 also occurred in Vermont. In that State the average value of farm land declined 16.6 per cent during the decade 1920 to 1930, while the averages for Maine and New Hampshire declined 2.3 per cent and 9.8 per cent, respectively, during the 10-year period.

Among the 67 counties in New England the greatest increase in the average value of farm land alone per acre, between 1920 and 1930, occurred in Nantucket County, Mass., which increased 239.3 per cent. Barnstable County, also in Massachusetts, had the second highest rate of increase with 120.4 per cent. All counties in the three southern New England States showed increases between 1920 and 1930 in the average value of farm land alone, except Berkshire and Essex Counties, Mass.; while the average value of farm land per acre decreased in all counties in the three northern New England States, except Cumberland and Oxford in Maine and Bennington and Rutland in Vermont. The most rapid decrease occurred in Orleans County, Vt., where there was a decline of 31 per cent in the average value of farm land alone per acre between 1920 and 1930.

Excluding Suffolk County, Mass., from consideration, due to the fact that it is entirely included in the metropolitan area of the city of Boston, the county with the highest average value of land alone per acre in 1930 among the remaining 66 counties in New England was found to be Fairfield County, Conn., with an average value of $284.21 per acre. The county with lowest average value of land alone per acre in 1930 among all New England counties was found to be Waldo County, Me., with an average value of only $9.31 per acre.

In 1930 the average value of land alone per acre exceeded the average value of all farm buildings per acre for the State of Connecticut, and for only 11 of the 67 counties in New England. These 11 counties were, in general, located in industrial or recreational areas or contained farm land which was of relatively greater productivity as compared with other agricultural sections.

An examination of the trends in the average values of farm land alone per acre, as shown in Table 14, reveals the fact that the upward trend from 1900 to 1930 was more rapid for Connecticut, considering the State as a whole, than for any other New England State, and that the rate of increase was least rapid for New Hampshire. The trends for the three southern New England States are somewhat similar, however, in that they continued upward more rapidly than ever following the depression period of 1920 to 1925, whereas the three northern New England States failed to recover their former rates of increase in the average values of farm land alone per acre.

The ratios of the average values of land alone per acre to the average values of all farm real estate per acre for the period 1900 to 1930, in general, show moderate, but steady, decreases throughout the New England States. The decreases in the ratios of the average values of land alone per acre to the average values of all farm real estate per acre have been compensated by the increases in the ratios of the average values of all farm buildings per acre to the average values of all farm real estate. Whereas in 1900 the ratio of the former were generally the larger percentages, in 1930 the latter ratios were generally the larger of the two percentages.

Table 14.—Average Value and Index Number of Farm Land (Excluding Buildings) per Acre, for New England, by States and Counties: 1900 to 1930

STATE AND COUNTY	AVERAGE VALUE PER ACRE					INDEX NUMBER OF THE AVERAGE VALUE PER ACRE (1910 base=100 per cent)				
	1930	1925	1920	1910	1900	1930	1925	1920	1910	1900
NEW ENGLAND	**$30.87**	**$26.10**	**$28.73**	**$19.38**	**$13.79**	**159**	**135**	**148**	**100**	**71**
Maine	**20.61**	**18.89**	**21.09**	**13.73**	**7.83**	**150**	**138**	**154**	**100**	**57**
Androscoggin	18.68	20.41	18.70	13.32	11.26	140	153	140	100	85
Aroostook	47.78	42.33	50.04	29.15	8.65	164	145	172	100	30
Cumberland	27.59	25.02	25.38	19.06	13.14	145	131	133	100	69
Franklin	12.28	13.97	13.56	8.37	4.51	147	167	162	100	54
Hancock	14.56	11.00	18.12	9.50	6.50	153	116	191	100	68
Kennebec	14.46	15.48	16.53	13.01	9.69	111	119	127	100	74
Knox	16.08	14.80	16.52	14.05	9.64	114	105	118	100	69
Lincoln	10.93	11.88	14.60	9.70	7.39	113	122	151	100	76
Oxford	14.20	13.54	13.69	9.16	5.81	155	148	149	100	63
Penobscot	12.28	13.18	15.19	10.81	6.77	114	122	141	100	63
Piscataquis	11.01	11.83	12.50	9.01	5.00	122	131	139	100	55
Sagadahoc	11.87	11.86	14.93	11.92	8.47	100	99	125	100	71
Somerset	12.14	12.60	12.33	8.97	5.34	135	140	137	100	60
Waldo	9.31	9.04	10.26	8.41	6.10	111	107	122	100	73
Washington	11.00	10.07	11.55	7.07	4.95	156	142	163	100	70
York	23.43	24.94	24.23	18.20	13.24	129	137	133	100	73
New Hampshire	**16.42**	**16.46**	**18.21**	**13.70**	**9.83**	**120**	**120**	**133**	**100**	**72**
Belknap	17.47	14.01	17.83	14.75	9.92	118	95	121	100	67
Carroll	15.97	15.65	21.36	11.50	7.05	139	136	186	100	61
Cheshire	18.35	17.09	20.73	14.82	9.53	124	115	140	100	64
Coos	13.76	13.64	14.56	10.59	7.55	130	129	137	100	71
Grafton	13.70	13.19	14.65	10.31	7.36	133	128	142	100	71
Hillsborough	19.94	18.56	20.23	16.15	12.55	123	115	125	100	78
Merrimack	14.71	15.08	17.22	14.13	10.01	104	107	122	100	71
Rockingham	23.37	24.89	25.73	20.97	16.99	111	119	123	100	81
Strafford	17.81	18.63	17.90	14.37	12.63	124	130	125	100	88
Sullivan	12.03	14.79	13.90	10.72	6.60	112	138	130	100	62
Vermont	**16.33**	**16.27**	**19.58**	**12.52**	**9.70**	**130**	**130**	**156**	**100**	**77**
Addison	18.74	16.91	22.76	16.71	13.23	112	101	136	100	79
Bennington	19.59	16.74	16.92	12.55	9.62	156	133	135	100	77
Caledonia	15.10	16.52	18.52	11.58	8.20	130	143	160	100	71
Chittenden	23.29	23.35	31.30	18.70	16.53	125	125	167	100	88
Essex	11.79	12.89	12.80	7.41	5.66	159	174	173	100	76
Franklin	22.38	23.42	31.85	17.91	14.49	125	131	178	100	81
Grand Isle	43.22	37.52	45.31	32.28	24.95	134	116	140	100	77
Lamoille	13.43	14.57	18.90	10.49	7.12	128	139	180	100	68
Orange	10.98	10.74	12.84	8.53	6.50	129	126	151	100	76
Orleans	16.53	18.76	23.96	11.95	8.89	138	157	201	100	74
Rutland	15.40	13.61	15.06	11.81	11.08	130	115	128	100	94
Washington	14.84	16.19	18.15	11.66	9.08	127	139	156	100	78
Windham	12.80	12.54	13.66	9.89	7.13	129	127	138	100	72
Windsor	12.21	12.39	13.29	9.52	6.52	128	130	140	100	68
Massachusetts	**58.94**	**46.64**	**51.17**	**36.69**	**27.62**	**161**	**127**	**139**	**100**	**75**
Barnstable	118.91	62.94	53.94	47.06	23.63	253	134	115	100	50
Berkshire	27.71	22.83	30.54	23.92	16.86	116	95	128	100	70
Bristol	74.35	54.89	62.47	37.69	29.57	197	146	166	100	78
Dukes	24.25	19.55	19.18	16.73	12.38	145	117	115	100	74
Essex	101.70	91.40	111.20	70.60	52.54	144	129	158	100	74
Franklin	27.50	28.20	27.02	15.71	12.41	175	180	172	100	79
Hampden	44.27	42.54	39.37	25.86	16.52	171	165	152	100	64
Hampshire	37.90	39.10	36.17	19.80	15.33	191	197	183	100	77
Middlesex	112.14	79.57	76.75	55.36	57.75	203	144	139	100	104
Nantucket	72.84	17.68	21.47	14.43	17.28	505	123	149	100	120
Norfolk	137.84	95.26	129.18	88.11	58.31	156	108	147	100	66
Plymouth	122.62	79.25	80.64	56.44	26.98	217	140	143	100	48
Suffolk	1,302.23	1,434.47	912.03	1,178.35	813.67	111	122	77	100	69
Worcester	42.75	36.67	36.40	27.58	23.46	155	133	132	100	85
Rhode Island	**59.47**	**43.83**	**43.75**	**33.86**	**29.46**	**176**	**129**	**129**	**100**	**87**
Bristol	152.15	124.20	130.50	97.21	68.23	157	128	134	100	70
Kent	48.84	46.00	36.08	24.36	18.39	200	189	148	100	75
Newport	124.82	83.34	95.65	83.91	63.11	149	99	114	100	75
Providence	60.09	41.95	42.74	36.52	36.61	165	115	117	100	100
Washington	28.31	22.57	22.49	15.63	14.88	181	144	144	100	95
Connecticut	**76.38**	**49.85**	**53.28**	**33.03**	**22.68**	**231**	**151**	**161**	**100**	**69**
Fairfield	284.21	122.64	138.81	86.35	47.35	329	142	161	100	55
Hartford	104.92	84.41	88.76	44.71	32.31	235	189	199	100	72
Litchfield	43.03	26.26	27.74	20.87	15.10	206	126	133	100	72
Middlesex	41.61	32.55	34.94	20.78	17.92	200	157	168	100	86
New Haven	99.92	67.33	69.07	40.51	29.71	247	166	171	100	73
New London	33.09	24.81	23.55	16.61	14.33	199	149	142	100	86
Tolland	31.11	28.94	27.08	15.65	11.57	199	185	173	100	74
Windham	22.16	19.55	19.44	15.72	12.29	141	124	124	100	78

TABLE 15.—RATIO OF THE AVERAGE VALUE OF ALL FARM BUILDINGS AND LAND ALONE, 1900 TO 1930, AND OF IMPLEMENTS AND MACHINERY, 1850 TO 1930, PER ACRE, TO THE AVERAGE VALUE OF ALL FARM REAL ESTATE (LAND AND BUILDINGS) PER ACRE, FOR NEW ENGLAND, BY STATES AND COUNTIES

STATE AND COUNTY	RATIO OF ALL BUILDINGS TO ALL FARM REAL ESTATE					RATIO OF LAND ALONE TO ALL FARM REAL ESTATE					RATIO OF IMPLEMENTS AND MACHINERY TO ALL FARM REAL ESTATE									
	1930	1925	1920	1910	1900	1930	1925	1920	1910	1900	1930	1925	1920	1910	1900	1890	1880	1870	1860	1850
NEW ENGLAND	53	54	47	47	46	47	46	53	53	54	10	9	10	7	7	5	4	4	3	3
Maine	51	51	44	46	49	49	49	56	54	51	15	12	13	9	9	6	5	5	4	4
Androscoggin	60	58	51	52	51	40	42	49	48	49	12	12	15	10	8	6	5	3	4	--
Aroostook	38	39	32	30	38	62	61	68	70	62	16	13	13	9	12	6	7	7	8	6
Cumberland	58	57	50	49	49	42	43	50	51	51	10	9	11	7	7	5	4	4	3	3
Franklin	55	48	45	48	49	45	52	55	52	51	15	12	13	8	9	6	5	5	5	6
Hancock	55	59	47	53	52	45	41	53	47	48	13	11	9	8	9	5	4	4	3	5
Kennebec	62	59	54	53	51	38	41	46	47	49	14	12	13	9	8	5	5	4	4	4
Knox	61	60	51	52	53	39	40	49	48	47	11	11	12	8	8	7	4	5	5	--
Lincoln	65	61	51	54	53	35	39	49	46	47	12	11	11	9	9	6	5	5	3	4
Oxford	52	51	46	47	49	48	49	54	53	51	13	12	15	9	8	6	4	4	5	4
Penobscot	60	55	50	51	52	40	45	50	49	48	18	15	16	11	11	7	6	5	6	6
Piscataquis	53	52	46	48	51	47	48	54	52	49	20	16	16	12	11	7	7	8	6	6
Sagadahoc	62	58	53	52	52	38	42	47	48	48	13	12	14	10	9	5	7	5	3	--
Somerset	56	52	48	49	51	44	48	52	51	49	16	13	14	10	10	6	5	5	6	6
Waldo	60	58	54	53	52	40	42	46	47	48	19	16	17	12	11	6	6	7	5	5
Washington	48	55	50	53	50	52	45	50	47	50	14	14	13	11	11	7	5	5	4	4
York	55	51	45	48	46	45	49	55	52	53	11	11	10	6	7	4	3	4	2	3
New Hampshire	58	57	47	48	49	42	43	53	52	51	12	10	11	7	7	5	4	4	4	4
Belknap	54	56	48	45	48	46	44	52	55	52	12	12	11	7	8	6	4	4	3	3
Carroll	56	55	39	49	47	44	46	61	50	53	8	10	8	7	7	5	4	4	5	5
Cheshire	59	58	47	44	50	41	42	53	56	50	8	8	10	6	7	6	4	5	4	4
Coos	55	51	48	49	47	45	49	52	51	53	14	13	13	8	8	6	4	5	6	7
Grafton	55	54	45	48	49	45	46	55	52	51	14	14	12	8	9	6	5	5	5	6
Hillsborough	60	61	50	50	49	40	39	50	50	51	11	11	11	7	7	5	4	5	4	4
Merrimack	58	56	45	46	48	42	44	55	54	52	11	10	11	7	7	6	4	4	4	4
Rockingham	62	61	52	52	52	38	39	48	48	48	10	7	9	6	7	4	4	3	3	4
Strafford	64	60	50	50	51	36	40	50	50	49	11	11	10	8	7	5	4	4	3	3
Sullivan	59	48	47	46	50	41	52	53	54	50	15	11	12	7	9	6	5	5	12	4
Vermont	56	53	48	48	45	44	47	52	52	55	14	13	13	9	9	6	4	4	4	4
Addison	55	54	49	43	42	45	46	51	57	58	14	14	13	7	7	5	3	3	2	3
Bennington	60	51	54	51	45	40	49	46	49	55	10	12	10	7	6	5	4	3	4	4
Caledonia	55	51	49	47	48	45	49	51	53	52	15	14	14	10	13	8	5	5	6	7
Chittenden	56	52	44	49	43	44	48	56	51	57	12	12	12	7	7	5	4	3	3	4
Essex	54	45	47	48	46	46	55	53	52	54	15	14	16	11	10	6	5	5	6	8
Franklin	53	50	42	45	40	47	50	58	55	60	13	10	10	8	8	5	4	3	4	5
Grand Isle	51	50	45	43	39	49	50	55	57	61	11	9	9	5	5	4	3	3	3	3
Lamoille	55	53	46	49	47	45	47	54	51	53	16	14	14	12	12	8	5	4	6	6
Orange	57	56	50	51	49	43	44	50	49	51	17	15	18	12	12	8	5	3	5	6
Orleans	56	53	44	48	44	44	47	56	52	56	16	14	14	12	13	7	5	4	4	6
Rutland	58	61	53	50	45	42	39	47	50	55	14	14	13	8	7	5	4	4	4	3
Washington	58	56	51	49	44	42	44	49	51	56	16	14	15	10	10	7	5	5	4	4
Windham	55	54	48	46	47	45	46	52	54	53	14	13	15	10	10	7	5	5	4	4
Windsor	61	54	52	53	51	39	46	48	47	49	15	15	15	10	10	6	5	5	4	4
Massachusetts	55	57	48	46	45	45	43	52	54	55	7	7	8	6	6	5	4	4	3	3
Barnstable	48	58	47	42	48	52	42	53	58	52	6	7	7	5	7	4	4	6	4	5
Berkshire	57	58	46	44	45	43	42	54	56	55	8	7	7	5	5	4	3	4	3	3
Bristol	56	59	49	51	51	44	41	51	49	49	8	7	8	6	6	4	4	5	3	3
Dukes	43	51	42	42	43	57	49	58	58	57	6	5	7	6	5	4	2	3	2	2
Essex	55	52	49	45	42	45	48	51	55	58	6	6	5	5	6	5	4	4	3	3
Franklin	57	54	49	49	48	43	46	51	50	52	10	8	11	8	8	6	5	4	3	3
Hampden	53	55	47	47	48	47	45	53	53	52	7	6	8	6	7	5	4	4	4	3
Hampshire	59	58	51	51	51	41	42	49	49	49	8	8	10	8	7	6	4	4	4	4
Middlesex	55	58	53	48	43	45	42	47	52	57	7	7	8	6	5	5	3	5	4	3
Nantucket	49	62	48	49	41	51	38	52	51	59	7	16	8	11	7	6	9	9	7	5
Norfolk	59	59	47	45	44	41	41	53	55	56	6	6	5	4	5	4	3	4	2	2
Plymouth	43	53	43	42	53	57	47	57	58	47	6	6	7	6	3	4	3	4	2	3
Suffolk	28	35	18	15	22	72	65	82	85	78	3	4	3	3	2	2	1	2	2	2
Worcester	56	58	50	46	45	44	42	50	54	55	8	6	9	7	6	5	4	4	3	3
Rhode Island	52	51	45	46	42	48	49	55	54	58	8	7	9	6	5	4	3	4	3	3
Bristol	44	51	46	43	48	56	49	54	57	52	7	4	7	5	5	4	3	4	5	4
Kent	58	55	47	52	49	42	45	53	48	51	9	5	8	5	6	5	5	4	3	3
Newport	43	46	39	44	41	57	54	61	56	59	7	6	9	7	4	3	3	3	2	2
Providence	54	51	48	45	39	46	49	52	55	61	8	8	10	6	6	5	4	3	3	3
Washington	56	56	47	49	44	44	44	53	51	56	10	11	10	7	5	5	4	4	3	3
Connecticut	50	55	47	48	46	50	45	53	52	54	5	6	7	5	5	3	3	3	3	3
Fairfield	40	47	39	42	42	60	53	61	58	58	2	4	5	3	4	2	2	2	2	2
Hartford	52	57	50	52	49	48	43	50	48	51	6	6	7	5	5	4	3	3	3	3
Litchfield	54	60	51	50	47	46	40	49	50	53	7	7	8	5	5	3	2	3	3	3
Middlesex	59	62	49	54	47	41	38	51	46	53	7	6	6	5	6	3	3	3	2	3
New Haven	47	47	42	45	44	53	53	58	55	56	7	7	7	5	5	3	3	2	2	3
New London	54	60	52	49	47	46	40	48	51	53	7	7	9	6	5	4	4	3	3	2
Tolland	61	60	53	53	51	39	40	47	47	49	8	8	10	7	7	4	4	4	4	4
Windham	64	62	56	50	52	36	38	44	50	48	8	9	9	7	7	4	3	4	3	3

The trends in the average values of farm implements and machinery, as shown by the ratios presented in Table 15, indicate the gradual increase in the importance of implements and machinery in relation to the value of all farm real estate during period 1850 to 1930. This increase in importance is more noticeable among the States of Maine, New Hampshire, and Vermont, than among the three States of southern New England.

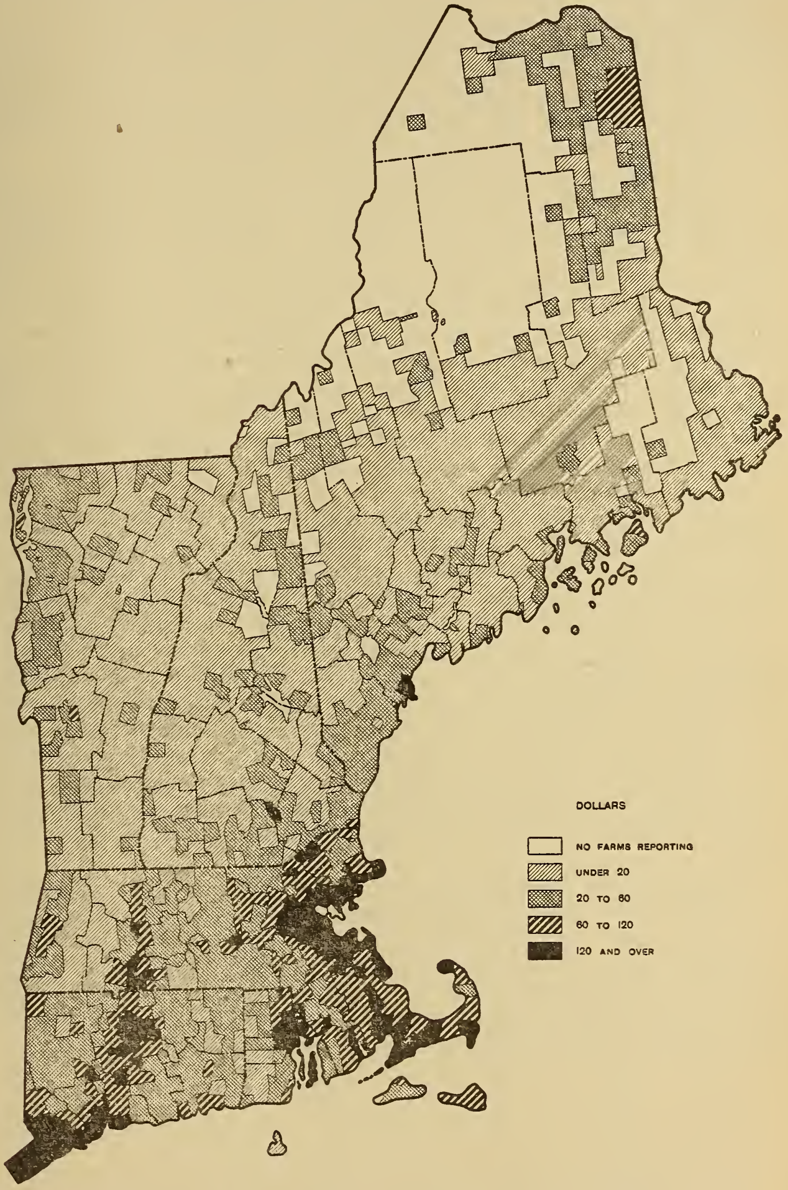

FIGURE 8.—AVERAGE VALUE OF ALL FARM LAND (EXCLUDING BUILDINGS) PER ACRE, BY MINOR CIVIL DIVISIONS, FOR THE NEW ENGLAND STATES, 1930

Changes in the value of farm implements and machinery: 1850 to 1930.—The development and wider use of implements and machinery in agricultural operations is generally considered to have had an important effect upon the type of agriculture, farm income, and upon the value of certain classes of farm land. The average values of farm implements and machinery per acre for New England, by States and counties, for the census years 1920, 1925, and 1930, together with the percentages of increase (or decrease) from 1925 to 1930, and from 1920 to 1930, are shown in Table 10. The ratios of the average values of farm implements and machinery per acre to the average values of all farm real estate per acre for each census year, including 1925, are presented in Table 15.

The average values of implements and machinery, as computed for the three census years, 1920, 1925, and 1930, show that higher averages prevailed in the three southern States of New England. The highest average value of implements and machinery per acre in 1930 among all counties in New England (excluding Suffolk County, Mass.), was found for Norfolk County, Mass. In general, the average values were highest in those regions of high agricultural development and production, and for those counties including, or adjacent to, large industrial areas. With but few exceptions, the average values of farm implements and machinery have increased, particularly during the period 1925 to 1930, in all counties throughout New England, and have increased at a fairly uniform rate in all States except Vermont. The rate of increase from 1920 to 1930 for Vermont, 6.4 per cent, was the lowest increase found among the six New England States.

Changes in the number of farms: 1850 to 1930.—The changes in the number of farms serve as a rough index of the changes in the intensity of agricultural activity, as well as an indication of the changes in the type of farming. In order to show the changes in the number of farms from 1850 to 1930 in such a way as to show the relationship of these changes to the changes in agricultural activity, the average number of farms per square mile were computed for New England, and presented by States and counties in Table 16. Index numbers of the number of farms per square mile from 1850 to 1930 are found in Table 17, for each State and county. The index numbers were computed both with the average number of farms per square mile for the census year 1910 used as the base (equal to 100 per cent) and with the average number of farms per square mile for New England as a whole. The dot map (fig. 9) shows the geographic distribution of farms in New England as enumerated at the census of 1930.

A gradual increase throughout New England in the number of farms per square mile from 1850 to about 1890 or 1900, followed by a more rapid *decrease* from 1900 to 1930, is the significant fact shown by the data in Table 16. The changes in the average size of farms throughout New England and the geographic variation in the size of farms are indicated by the index numbers of the average number of farms per square mile computed on the basis of the average number for New England, as a whole, equal to 100 per cent.

TABLE 16.—NUMBER OF FARMS PER SQUARE MILE, FOR NEW ENGLAND, BY STATES AND COUNTIES: 1850 TO 1930

STATE AND COUNTY	1930	1925	1920	1910	1900	1890	1880	1870	1860	1850
NEW ENGLAND	2.0	2.6	2.5	3.0	3.1	3.1	3.3	2.9	3.0	2.7
Maine	1.3	1.7	1.3	2.0	2.0	2.1	2.2	2.0	1.9	1.6
Androscoggin[1]	5.1	5.9	4.9	6.5	6.4	6.2	6.5	6.6	6.1	(1)
Aroostook[1]	1.0	1.0	1.0	1.1	1.1	1.0	(1)	(1)	(1)	(1)
Cumberland[1]	2.6	4.0	4.4	6.0	6.0	6.3	6.3	7.0	5.4	(1)
Franklin	0.9	1.1	1.0	1.3	1.4	1.4	1.4	1.6	1.6	1.4
Hancock[1]	0.9	1.8	1.6	2.2	1.8	2.6	2.7	1.9	2.0	1.5
Kennebec[1]	4.1	5.1	5.1	5.8	6.3	6.0	6.2	(1)	(1)	(1)
Knox[1]	5.1	5.0	4.1	6.2	6.0	6.0	7.0	5.2	5.0	(1)
Lincoln[1]	4.1	5.3	4.4	5.9	6.1	6.7	7.0	7.0	6.2	(1)
Oxford[1]	1.4	1.5	1.6	2.0	2.2	2.2	2.4	2.5	2.3	(1)
Penobscot[1]	1.2	1.6	1.6	2.0	1.9	2.1	(1)	(1)	(1)	(1)
Piscataquis	0.2	0.4	0.4	0.5	0.5	0.6	0.6	0.5	0.5	0.5
Sagadahoc[1]	3.3	4.3	3.4	5.0	5.0	4.9	5.3	5.3	5.3	(1)
Somerset	0.8	1.0	1.0	1.2	1.1	1.2	1.3	1.3	1.2	1.0
Waldo[1]	3.5	4.4	4.5	5.0	5.1	5.7	5.9	(1)	(1)	(1)
Washington[1]	0.6	1.1	1.0	1.2	0.8	1.0	(1)	(1)	(1)	(1)
York	2.2	3.8	3.4	4.9	5.1	5.6	5.1	5.4	5.4	5.1
New Hampshire	1.7	2.3	2.3	3.0	3.2	3.2	3.6	3.3	3.4	3.2
Belknap	1.9	3.4	3.4	4.5	4.7	4.3	4.9	4.5	5.0	6.1
Carroll	1.0	1.5	1.6	2.1	2.5	2.5	2.9	3.1	2.7	2.9
Cheshire	1.5	2.5	2.2	3.2	3.7	3.6	3.9	3.8	3.8	3.9
Coos	0.7	0.8	0.8	1.0	1.1	1.1	1.1	1.0	0.8	0.8
Grafton[1]	1.2	1.6	1.7	2.2	2.4	2.5	2.8	(1)	(1)	(1)
Hillsborough	2.3	3.3	2.9	4.0	4.6	4.3	3.3	4.0	4.4	4.1
Merrimack[1]	2.1	3.0	3.0	4.1	4.2	4.3	4.7	(1)	(1)	(1)
Rockingham	3.6	5.4	5.0	6.3	6.1	6.4	7.6	6.0	5.9	5.5
Stafford	2.5	4.0	3.7	4.8	5.8	4.7	8.0	4.3	5.5	4.9
Sullivan	2.5	2.7	2.7	3.4	3.5	3.9	4.4	4.4	4.3	4.0
Vermont	2.7	3.0	3.2	3.6	3.6	3.6	3.9	3.7	3.5	3.3
Addison	2.7	3.0	3.1	3.6	3.6	3.5	3.7	3.7	3.3	3.0
Bennington	1.4	2.0	2.1	2.6	2.5	2.6	2.5	2.2	2.3	2.1
Caledonia[1]	3.4	3.4	3.7	4.3	4.2	(1)	(1)	(1)	(1)	(1)
Chittenden	3.4	3.7	3.7	4.1	3.9	4.1	4.3	3.9	3.8	3.5
Essex	0.9	1.2	1.1	1.3	1.4	1.4	1.2	1.1	1.1	0.9
Franklin	3.5	3.5	3.7	4.1	4.0	3.7	4.0	3.7	3.8	3.3
Grand Isle	5.2	6.0	6.0	6.6	6.0	5.6	6.1	3.8	3.9	4.1
Lamoille	3.3	3.3	3.7	3.7	3.7	3.8	4.0	3.7	3.5	2.5
Orange	3.4	3.9	4.0	4.5	4.7	4.3	5.1	5.0	4.6	4.0
Orleans	3.4	3.5	3.7	4.1	4.3	4.2	4.2	4.3	3.5	3.0
Rutland	2.4	2.8	2.9	3.1	3.2	3.1	3.4	3.1	3.1	2.9
Washington[1]	3.0	3.3	3.6	3.9	4.0	(1)	(1)	(1)	(1)	(1)
Windham	2.1	2.6	2.6	3.2	3.5	3.6	4.1	4.0	4.0	4.2
Windsor	2.8	3.3	3.4	4.0	4.0	4.0	4.7	4.4	4.2	4.5
Massachusetts	3.2	4.2	4.0	4.6	4.7	4.3	4.8	3.3	4.4	4.2
Barnstable	1.2	1.9	1.7	2.1	2.0	1.8	2.4	0.4	2.3	1.9
Berkshire	1.7	2.8	2.4	3.1	3.6	3.5	3.9	2.7	3.2	3.0
Bristol[1]	5.4	5.4	6.6	6.4	6.1	6.0	4.8	3.5	(1)	(1)
Dukes	0.6	1.1	1.4	1.3	2.0	2.4	2.5	1.4	2.4	2.5
Essex[1]	4.1	4.6	6.0	5.8	5.9	5.0	5.7	4.5	5.4	(1)
Franklin	3.9	4.5	4.0	4.5	4.7	4.3	4.7	4.1	4.3	3.6
Hampden[1]	2.8	3.9	3.3	4.4	4.1	4.1	4.8	3.7	3.9	4.1
Hampshire[1]	4.4	5.4	5.1	5.0	6.0	4.9	5.3	4.9	4.8	5.1
Middlesex[1]	4.2	5.5	5.3	6.4	6.0	(1)	(1)	(1)	(1)	(1)
Nantucket	0.5	0.5	0.5	0.5	1.1	0.7	1.7	1.7	2.4	1.1
Norfolk[1]	2.8	3.3	3.5	5.4	5.4	4.4	4.6	(1)	(1)	(1)
Plymouth	2.6	3.9	3.2	3.7	3.8	3.0	4.5	1.8	4.1	3.6
Suffolk[1]	0.5	0.3	1.3	1.8	3.2	(1)	(1)	(1)	(1)	(1)
Worcester[1]	3.2	4.6	3.9	4.8	4.9	4.6	5.3	3.3	(1)	(1)
Rhode Island	3.1	3.7	3.8	5.0	5.2	5.2	5.8	5.0	5.1	5.0
Bristol	6.0	8.9	9.0	9.8	8.5	8.8	11.7	8.1	11.2	8.3
Kent	3.4	2.6	2.5	3.7	4.4	5.0	4.4	5.1	4.7	4.0
Newport	5.5	7.9	7.2	8.8	8.2	8.7	8.6	6.6	8.5	9.0
Providence[1]	3.1	3.6	3.8	5.1	5.3	4.6	6.0	5.4	(1)	(1)
Washington	1.9	2.5	3.0	3.8	4.0	4.4	5.0	3.7	3.9	4.0
Connecticut	3.6	4.8	4.7	5.6	5.6	5.5	6.3	5.3	5.2	4.7
Fairfield	3.3	5.4	6.1	7.3	7.5	7.7	8.5	6.1	6.7	5.0
Hartford	5.1	6.4	6.4	7.1	7.0	6.5	7.6	6.4	5.5	5.3
Litchfield	2.4	3.7	3.3	4.1	4.5	4.5	5.1	4.2	3.9	3.9
Middlesex	3.4	5.0	3.8	5.0	4.8	5.4	6.4	5.0	5.8	5.5
New Haven	3.6	4.6	4.5	6.2	5.8	5.5	6.5	5.7	6.2	4.6
New London[1]	3.5	4.3	4.2	4.6	4.6	4.2	(1)	(1)	(1)	(1)
Tolland[1]	3.8	4.9	4.9	5.3	5.2	5.1	(1)	(1)	(1)	(1)
Windham[1]	3.8	4.5	4.4	4.7	5.1	5.0	(1)	(1)	(1)	(1)

---

[1] For changes in county boundaries, see p. 96.

TABLE 17.—INDEX NUMBER AND MEASUREMENT OF THE CHANGES IN GEOGRAPHIC DISTRIBUTION OF THE NUMBER OF FARMS PER SQUARE MILE, FOR NEW ENGLAND, BY STATES AND COUNTIES: 1850 TO 1930

STATE AND COUNTY	INDEX NUMBER (1910 base=100 per cent)										MEASUREMENT OF CHANGES IN GEOGRAPHIC DISTRIBUTION (New England base=100 per cent)									
	1930	1925	1920	1910	1900	1890	1880	1870	1860	1850	1930	1925	1920	1910	1900	1890	1880	1870	1860	1850
NEW ENGLAND	67	87	83	100	103	103	110	97	100	90	100	100	100	100	100	100	100	100	100	100
Maine	65	85	80	100	100	105	110	100	95	80	65	65	64	67	65	68	67	69	63	59
Androscoggin [1]	78	91	75	100	98	95	100	102	94	(1)	255	227	196	217	206	200	197	228	203	(1)
Aroostook	91	91	91	100	100	91	(1)	(1)	(1)	(1)	50	38	40	37	35	32	(1)	(1)	(1)	(1)
Cumberland [1]	43	67	73	100	100	105	105	117	90	(1)	130	154	176	200	194	203	191	241	180	(1)
Franklin	69	85	77	100	108	108	108	123	123	108	45	42	40	43	45	45	42	55	53	52
Hancock [1]	41	82	73	100	82	118	123	86	91	(1)	45	69	64	73	58	84	82	66	67	56
Kennebec [1]	71	88	88	100	109	103	107	(1)	(1)	(1)	205	196	204	193	203	194	188	(1)	(1)	(1)
Knox [1]	82	81	66	100	97	97	113	84	81	(1)	255	192	164	207	194	194	212	179	167	(1)
Lincoln [1]	69	90	75	100	103	114	119	119	105	(1)	205	204	176	197	197	216	212	241	207	(1)
Oxford [1]	70	75	80	100	110	110	120	125	115	(1)	70	58	64	67	71	71	73	86	77	(1)
Penobscot [1]	60	80	80	100	95	105	(1)	(1)	(1)	(1)	60	62	64	67	61	68	(1)	(1)	(1)	(1)
Piscataquis	40	80	80	100	100	120	120	100	100	100	10	15	16	17	16	19	18	17	17	19
Sagadahoc [1]	66	86	68	100	100	98	106	106	106	(1)	165	165	136	167	161	158	161	183	177	(1)
Somerset	67	83	83	100	92	100	108	108	100	83	40	38	40	40	35	39	39	45	40	37
Waldo [1]	70	88	90	100	102	114	118	(1)	(1)	(1)	175	169	180	167	165	184	179	(1)	(1)	(1)
Washington [1]	50	92	83	100	67	83	(1)	(1)	(1)	(1)	30	42	40	40	26	32	(1)	(1)	(1)	(1)
York	45	78	69	100	104	114	104	110	110	104	110	146	136	163	165	181	155	186	180	189
New Hampshire	57	77	77	100	107	107	120	110	113	107	85	88	92	100	103	103	109	114	113	119
Belknap	42	76	76	100	104	96	109	100	111	136	95	131	136	150	152	139	148	155	167	226
Carroll	48	71	76	100	119	119	138	148	129	138	50	58	64	70	81	81	88	107	90	107
Cheshire	47	78	69	100	116	113	122	119	119	122	75	96	88	107	119	116	118	131	127	144
Coos	70	80	80	100	110	110	110	100	80	80	35	31	32	33	35	35	33	34	27	30
Grafton [1]	55	73	77	100	109	114	127	(1)	(1)	(1)	60	62	68	73	77	81	85	(1)	(1)	(1)
Hillsborough	58	83	73	100	115	108	83	100	110	103	115	127	116	133	148	139	100	138	147	152
Merrimack [1]	51	73	73	100	102	105	115	(1)	(1)	(1)	105	115	120	137	135	139	142	(1)	(1)	(1)
Rockingham	57	86	79	100	97	102	121	95	94	87	180	208	200	210	197	206	230	207	197	204
Strafford	52	83	77	100	121	98	167	90	115	102	125	154	148	160	187	152	242	148	183	181
Sullivan	74	79	79	100	103	115	129	129	126	118	125	104	108	113	113	126	133	152	143	148
Vermont	75	83	89	100	100	100	108	103	97	92	135	115	128	120	116	116	118	128	117	122
Addison	75	83	86	100	100	97	103	103	92	83	135	115	124	120	116	113	112	128	110	111
Bennington	54	77	81	100	96	100	96	85	88	81	70	77	84	87	81	84	76	76	77	78
Caledonia [1]	79	79	86	100	98	(1)	(1)	(1)	(1)	(1)	170	131	148	143	135	(1)	(1)	(1)	(1)	(1)
Chittenden	83	90	90	100	95	100	105	95	93	85	170	142	148	137	126	132	130	134	127	130
Essex	69	92	85	100	108	108	92	85	85	69	45	46	44	43	45	45	36	38	37	33
Franklin	85	85	90	100	98	90	98	90	93	80	175	135	148	137	129	119	121	128	127	122
Grand Isle	79	91	91	100	91	85	92	58	59	62	260	231	240	220	194	181	185	131	130	152
Lamoille	89	89	100	100	100	103	108	100	95	68	165	127	148	123	119	123	121	128	117	93
Orange	76	87	89	100	104	96	113	111	102	89	170	150	160	150	152	139	155	172	153	148
Orleans	83	85	90	100	105	102	102	105	85	73	170	135	148	137	139	135	127	148	117	111
Rutland	77	90	94	100	103	100	110	100	100	94	120	108	116	105	103	100	103	107	103	107
Washington [1]	77	85	92	100	103	(1)	(1)	(1)	(1)	(1)	150	127	144	130	129	(1)	(1)	(1)	(1)	(1)
Windham	66	81	81	100	109	113	128	125	125	131	105	100	104	107	113	116	124	138	133	156
Windsor	70	83	85	100	100	100	118	110	105	113	140	127	136	135	129	129	142	152	140	167
Massachusetts	70	91	87	100	102	93	104	72	96	91	100	162	160	153	152	139	145	114	147	156
Barnstable	57	90	81	100	95	86	114	19	110	90	60	73	68	70	65	58	73	14	77	70
Berkshire	55	90	77	100	116	113	126	87	103	97	85	108	96	103	116	113	118	93	107	111
Bristol [1]	84	84	103	100	95	94	75	55	(1)	(1)	270	208	264	215	197	194	145	121	(1)	(1)
Dukes	46	85	108	100	154	185	192	108	185	192	30	42	56	43	65	77	76	48	80	93
Essex [1]	71	79	103	100	102	86	98	78	93	(1)	205	177	240	193	190	161	173	155	180	(1)
Franklin	87	100	89	100	104	96	104	91	96	80	195	173	160	150	152	139	142	141	143	133
Hampden [1]	64	89	75	100	93	93	109	84	89	93	140	150	132	147	132	132	145	128	130	152
Hampshire [1]	88	108	102	100	120	98	106	98	96	102	220	208	204	167	194	158	161	169	160	189
Middlesex [1]	66	86	83	100	94	86	(1)	(1)	(1)	(1)	210	212	212	213	194	177	(1)	(1)	(1)	(1)
Nantucket	100	100	100	100	220	140	340	340	480	220	25	19	20	17	35	23	52	59	80	41
Norfolk [1]	52	61	65	100	100	81	85	(1)	(1)	(1)	140	127	140	180	174	142	139	(1)	(1)	(1)
Plymouth	70	105	86	100	103	81	122	49	111	97	130	150	128	123	123	97	136	62	137	133
Suffolk [1]	28	17	72	100	178	44	(1)	(1)	(1)	(1)	25	12	52	60	103	26	(1)	(1)	(1)	(1)
Worcester [1]	67	96	81	100	102	96	110	69	(1)	(1)	160	177	156	160	158	148	161	114	(1)	(1)
Rhode Island	62	74	76	100	104	104	116	100	102	100	155	142	152	167	168	168	176	172	170	185
Bristol	61	91	92	100	87	90	119	83	114	85	300	342	360	327	274	284	355	279	373	307
Kent	92	70	68	100	119	135	119	138	127	108	170	100	100	123	142	161	133	176	157	148
Newport	63	90	82	100	93	99	98	75	97	102	275	304	288	293	265	281	261	228	283	333
Providence [1]	61	71	75	100	104	90	118	106	(1)	(1)	155	138	152	170	171	148	182	186	(1)	(1)
Washington	50	66	79	100	105	116	132	97	103	105	95	96	120	127	129	142	152	128	130	148
Connecticut	64	86	84	100	100	98	113	95	93	84	180	185	188	187	181	177	191	183	173	174
Fairfield	45	74	84	100	103	105	116	84	92	68	165	208	244	243	242	248	258	210	223	185
Hartford	72	90	90	100	99	92	107	90	77	75	255	246	256	237	226	210	230	221	183	196
Litchfield	59	90	80	100	110	110	124	102	95	95	120	142	132	137	145	145	155	145	130	144
Middlesex	68	100	76	100	96	108	128	100	116	110	170	192	152	167	155	174	194	172	193	204
New Haven	58	74	73	100	94	89	105	92	100	74	180	177	180	207	187	177	197	197	207	170
New London [1]	76	93	91	100	100	91	(1)	(1)	(1)	(1)	175	165	168	153	148	135	(1)	(1)	(1)	(1)
Tolland [1]	72	92	92	100	98	96	(1)	(1)	(1)	(1)	190	188	196	177	168	165	(1)	(1)	(1)	(1)
Windham [1]	81	96	94	100	109	106	(1)	(1)	(1)	(1)	190	174	176	157	165	161	(1)	(1)	(1)	(1)

---

[1] For changes in county boundaries, see p. 96.

Changes in the acres of land in farms: 1850 to 1930.—The changes from 1850 to 1930 in the number of acres of land in farms for New England, by States and counties, are presented by means of percentages of the approximate land area in farms.

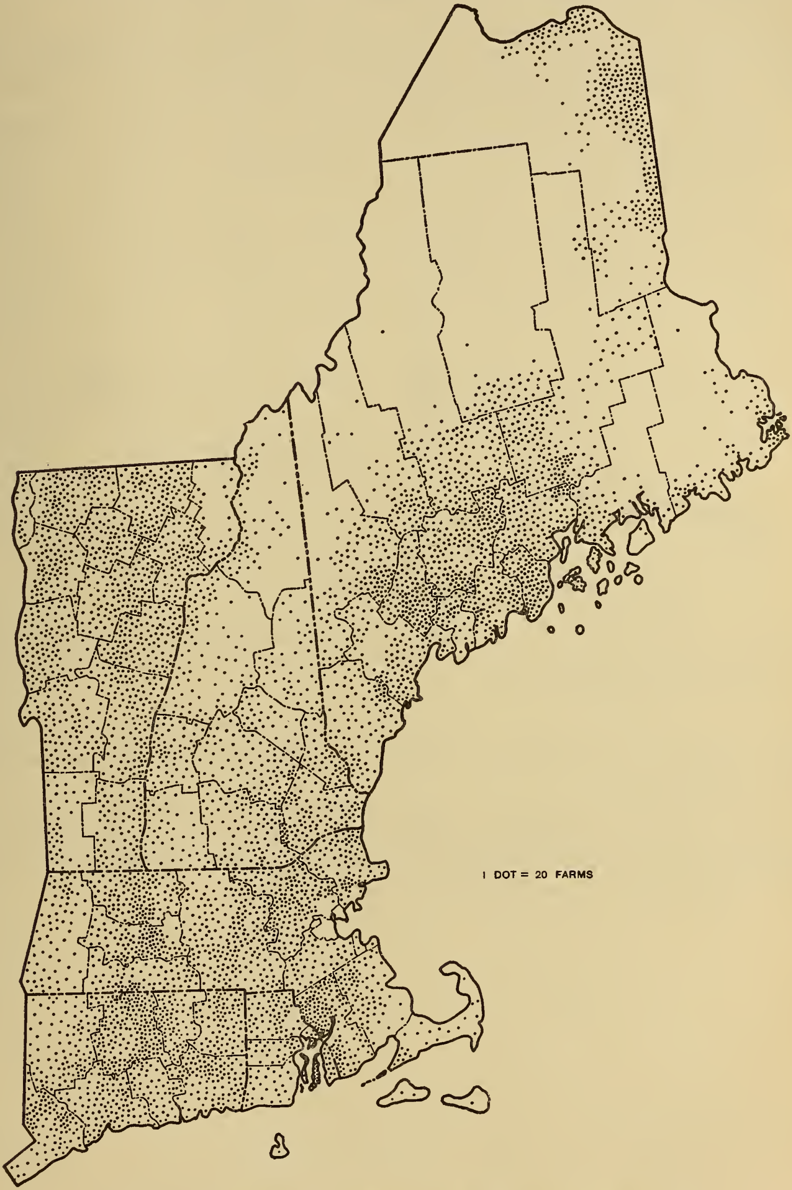

FIGURE 9.—NUMBER OF FARMS FOR THE NEW ENGLAND STATES, 1930

These percentages appear in Table 18. Trends in the number of acres of all land in farms for New England, as a whole, are compared with the trends in the average value of all farm real estate per acre, and with corresponding trends for the United States, as a whole, in Figure 10. The accompanying dot map (fig. 11) shows the distribution of farm land throughout New England as enumerated at the 1930 Census.

From these data and from the chart (fig. 10) it may be observed that since the census year 1900, in general, as farm land decreased the average value of all farm real estate per acre increased. The decrease, however, in farm land has been less rapid than the rate of increase in the average value of farm real estate per acre. The trend in the total number of acres of land in farms, and in the percentages of land area in farms, was upward until about 1900, for which year the census reports show more land in farms in New England than at any previous census enumeration.

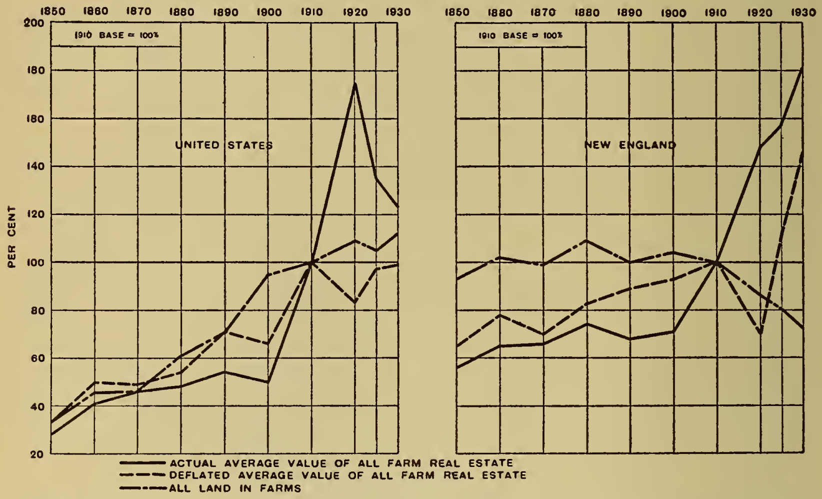

Figure 10.—Trend in the Acres of All Land in Farms and the Average Value of Farm Real Estate (Land and Buildings) Per Acre, in Per Cents (1910=100), for the United States and the New England States: 1850–1930

Maine is the only New England State which had a larger percentage of its total land area in farms in 1930 than in 1850. The decline in the acres of land in farms throughout New England from 1900 to 1930, corresponds somewhat to the decline in the number of farms during the same period.

TABLE 18.—APPROXIMATE LAND AREA WITH PER CENT IN FARMS, FOR NEW ENGLAND, BY STATES AND COUNTIES: 1850 TO 1930

STATE AND COUNTY	Approximate land area, 1930 (acres)	PER CENT OF LAND AREA IN FARMS									
		1930	1925	1920	1910	1900	1890	1880	1870	1860	1850
NEW ENGLAND	39,664,640	36.0	40.0	42.8	49.7	51.8	49.8	54.2	49.3	50.7	46.3
Maine	19,132,800	24.3	27.0	28.4	32.9	32.9	32.3	34.2	30.5	29.9	23.8
Androscoggin[1]	293,760	73.4	72.4	72.2	88.4	87.6	82.3	83.3	83.5	79.7	(1)
Aroostook[1]	4,129,920	21.0	19.6	20.6	20.9	19.2	17.5	(1)	(1)	(1)	(1)
Cumberland[1]	545,920	38.8	42.7	58.6	71.0	74.9	73.4	73.8	75.2	69.2	(1)
Franklin	1,144,960	19.3	21.6	24.0	29.8	34.4	33.0	32.3	34.1	32.0	26.1
Hancock[1]	967,040	15.4	24.1	23.5	31.2	28.2	31.5	35.4	26.5	32.6	22.0
Kennebec[1]	562,560	65.0	74.6	76.4	83.0	85.3	82.6	85.3	(1)	(1)	(1)
Knox[1]	231,680	62.2	56.7	55.2	70.2	69.7	66.9	72.1	59.0	63.6	(1)
Lincoln[1]	292,480	58.1	67.7	63.3	75.9	76.3	75.2	79.7	74.8	75.8	(1)
Oxford[1]	1,267,200	31.0	29.7	34.3	42.5	49.0	46.6	49.9	47.0	45.3	(1)
Penobscot[1]	2,085,120	24.2	28.2	28.4	32.6	31.8	31.6	(1)	(1)	(1)	(1)
Piscataquis	2,412,800	6.3	8.6	9.1	10.6	11.0	11.5	13.7	11.2	9.8	8.4
Sagadahoc[1]	160,000	57.0	69.6	59.9	73.8	71.9	69.4	72.4	73.1	72.9	(1)
Somerset	2,325,120	17.5	20.2	21.5	25.6	24.9	25.0	25.7	25.0	22.9	17.2
Waldo[1]	463,360	63.3	72.4	77.7	81.1	82.3	81.8	82.9	(1)	(1)	(1)
Washington[1]	1,617,920	14.4	16.6	16.8	19.6	15.4	16.9	(1)	(1)	(1)	(1)
York	632,960	34.5	50.6	51.8	65.3	69.3	66.9	67.6	66.8	70.2	69.0
New Hampshire	5,779,840	33.9	39.1	45.0	56.2	62.5	59.8	64.4	62.4	64.8	58.7
Belknap	254,080	41.4	64.5	66.6	80.1	81.1	79.9	92.9	83.3	91.3	83.0
Carroll	611,200	23.7	24.8	33.9	45.8	59.6	52.7	57.1	73.3	58.5	48.3
Cheshire	465,920	34.5	41.1	47.5	69.5	79.2	75.1	88.8	73.1	76.9	80.2
Coos	1,150,720	18.7	18.9	20.6	23.8	28.6	26.0	22.7	20.7	29.2	17.7
Grafton[1]	1,106,560	31.4	34.2	41.8	50.7	56.0	55.7	64.5	(1)	(1)	(1)
Hillsborough	572,800	41.6	51.4	53.6	67.5	79.3	73.8	78.7	69.4	77.6	74.9
Merrimack[1]	596,480	45.3	52.5	61.6	74.4	79.9	81.8	81.4	(1)	(1)	(1)
Rockingham	442,240	45.8	56.1	61.8	73.7	74.9	72.4	78.1	80.7	81.3	76.7
Strafford	242,560	41.5	51.0	62.7	71.2	81.3	68.0	76.1	65.2	80.2	76.2
Sullivan	337,280	51.9	53.3	61.1	82.7	77.8	80.7	83.3	85.4	86.9	82.9
Vermont	5,839,360	66.7	67.2	72.5	79.9	80.9	75.3	83.6	77.6	73.2	70.7
Addison	483,840	73.3	75.4	77.1	91.1	83.4	75.9	85.3	82.1	74.2	74.1
Bennington	423,040	38.3	42.3	49.0	61.7	64.0	59.5	64.4	45.0	59.4	52.9
Caledonia[1]	395,520	76.1	75.4	85.8	94.5	88.1	(1)	(1)	(1)	(1)	(1)
Chittenden	347,520	79.9	81.2	80.8	85.6	83.7	83.3	99.2	83.6	81.0	81.2
Exxex	408,320	28.1	34.8	28.7	35.2	38.9	34.6	47.4	33.9	28.9	23.3
Franklin	417,280	86.5	80.5	86.1	86.7	86.5	81.1	88.0	95.4	82.9	73.8
Grand Isle	53,120	86.0	84.9	90.4	93.7	88.7	88.9	94.2	88.2	84.8	90.9
Lamoille	279,040	71.7	67.4	75.7	76.4	78.8	71.3	83.1	67.5	67.3	54.5
Orange	432,640	81.2	87.8	87.5	93.6	98.4	89.4	96.7	92.6	87.1	57.1
Orleans	440,320	81.7	78.2	83.6	85.7	87.4	80.2	80.5	80.4	63.6	78.7
Rutland	583,040	65.6	57.6	74.9	75.9	78.6	73.3	81.5	75.7	76.7	76.3
Washington[1]	460,160	66.0	64.6	68.8	80.3	82.3	(1)	(1)	(1)	(1)	(1)
Windham	508,800	55.4	61.5	65.2	76.5	84.3	79.6	85.9	85.3	83.7	82.4
Windsor	606,720	66.0	69.1	77.1	88.7	90.3	84.0	94.7	87.4	86.6	91.0
Massachusetts	5,144,960	39.0	46.0	48.5	55.9	61.2	58.3	65.3	53.1	64.9	65.2
Barnstable	261,760	8.4	13.7	18.2	19.0	16.9	20.1	29.6	10.5	30.6	26.1
Berkshire	618,240	40.6	58.0	57.6	62.8	76.4	72.6	77.7	62.4	72.2	72.4
Bristol[1]	362,880	40.0	38.4	49.0	52.4	53.9	53.4	51.2	45.5	(1)	(1)
Dukes	68,480	23.5	30.3	50.3	28.1	49.9	56.1	46.7	26.1	45.9	49.2
Essex[1]	318,080	36.8	35.9	46.7	54.0	55.6	49.8	58.9	51.6	57.7	(1)
Franklin[1]	446,080	58.4	62.4	60.9	70.5	78.5	74.8	79.2	73.4	78.4	65.2
Hampden[1]	407,040	40.8	49.5	51.9	62.3	71.8	67.0	74.1	65.2	70.1	72.5
Hampshire[1]	374,400	61.4	67.2	71.3	73.7	86.0	77.7	80.7	78.5	77.2	79.6
Middlesex[1]	532,480	37.8	45.4	48.3	65.7	59.5	(1)	(1)	(1)	(1)	(1)
Nantucket	32,640	11.3	15.2	13.7	9.5	12.5	82.4	59.7	30.7	40.2	24.7
Norfolk[1]	259,840	21.1	24.3	29.2	39.6	43.8	42.0	45.4	(1)	(1)	(1)
Plymouth	432,000	23.2	29.5	28.4	31.7	34.8	33.4	45.1	27.3	48.7	49.9
Suffolk[1]	35,200	2.1	0.8	7.0	10.5	13.1	(1)	(1)	(1)	(1)	(1)
Worcester	995,840	43.9	53.2	52.0	61.8	67.2	63.6	71.4	56.9	(1)	(1)
Rhode Island	682,880	40.9	45.3	48.6	64.9	66.7	68.7	75.4	73.6	76.3	81.1
Brstol	15,360	49.5	57.5	53.6	62.2	49.4	70.6	82.9	79.1	85.6	85.3
Kent	111,360	41.6	32.4	36.6	61.9	64.6	77.9	76.2	80.3	80.7	74.6
Newport	72,960	51.1	56.4	58.4	64.7	66.7	70.7	77.2	82.7	88.1	96.3
Providence[1]	275,200	36.8	43.6	44.6	60.4	60.8	59.1	70.3	69.4	(1)	77.5
Washington	208,000	41.8	49.5	56.3	72.7	76.9	75.6	80.5	71.9	78.8	83.7
Connecticut	3,084,800	48.7	59.4	61.6	70.9	75.0	73.0	79.5	76.6	81.2	77.3
Fairfield	403,840	35.3	50.9	55.9	66.3	69.4	70.7	77.4	68.0	74.0	65.6
Hartford	466,560	53.5	58.6	63.0	70.3	74.8	73.0	81.0	79.7	82.5	78.3
Litchfield	592,000	47.2	65.2	63.6	74.0	79.6	79.1	82.8	76.4	78.1	78.7
Middlesex	236,160	43.7	55.5	52.2	63.4	63.8	67.9	72.9	68.8	85.0	69.1
New Haven	385,920	38.9	50.6	48.8	64.3	67.5	63.7	71.8	72.9	87.3	73.0
New London[1]	421,760	59.1	63.4	68.2	75.5	77.0	74.0	(1)	(1)	(1)	(1)
Tolland[1]	258,560	54.2	63.1	71.0	75.1	79.6	74.1	(1)	(1)	(1)	(1)
Windham[1]	320,000	58.8	65.6	68.8	75.4	84.6	77.7	(1)	(1)	(1)	(1)

For changes in county boundaries, see p. 96.

Utilization of farm land: 1929 and 1924.—The utilization of farm land is recognized as one of the principal factors affecting the value of farm real estate. Comparable data from census reports relating to the years 1929 and 1924 only, concerning utilization of farm land in New England by States and counties, are presented in Tables 19 and 20. A map (fig. 12) shows the geographic variations throughout New England in the percentages which crop land harvested in 1929

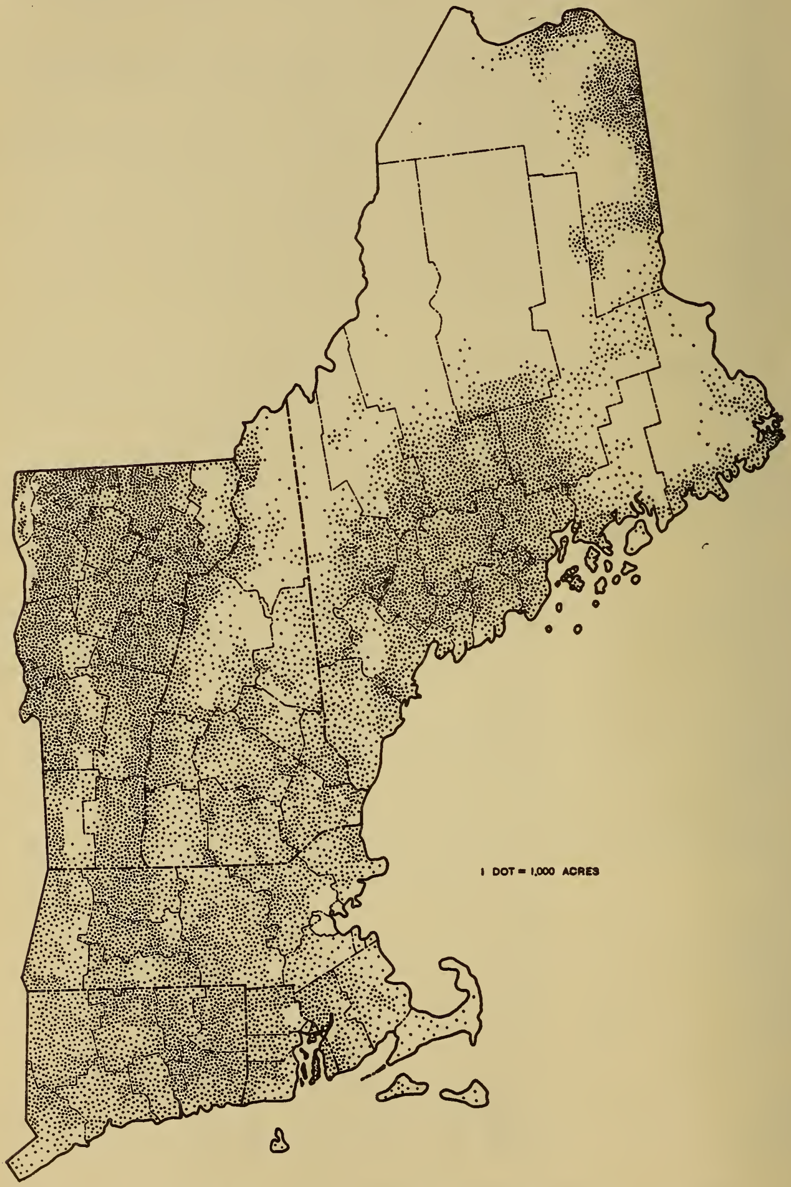

FIGURE 11.—ACRES OF ALL LAND IN FARMS, FOR THE NEW ENGLAND STATES, 1930

formed of all land in farms in 1930, and indicates the principal areas of agricultural activity and production during that year.

Of the several classes of farm land enumerated at the censuses of 1925 and 1930, the data pertaining to crop land harvested furnish the more reliable, even though limited, indication of changes and geographic relationships in farm real-estate values. Comparisons made with the maps (figs. 4, 8, and 12) show that only in limited heavy crop-producing areas in New England, such as the Aroostook County, Me., potato region and the Connecticut Valley tobacco and onion district, did high farm real-estate values accompany larger percentages of farm land from which crops were harvested. On the other hand, decreases in crop land harvested near large cities or industrial areas or in areas utilized for recreational or residential purposes, such as Nantucket and Barnstable Counties, Mass., appear to have little or no influence upon farm real-estate values.

TABLE 19.—ACREAGE OF ALL CROP LAND AND OF CROP LAND HARVESTED, WITH PERCENTAGE DISTRIBUTION, FOR NEW ENGLAND, BY STATES AND COUNTIES: 1929 AND 1924

[A minus sign (−) denotes decrease]

STATE AND COUNTY	ALL CROP LAND							CROP LAND HARVESTED						
	Total acreage		Per cent increase, 1924–1929	Per cent of all land in farms		Per cent distribution (New England=100)		Total acreage		Per cent increase, 1924–1929	Per cent of all land in farms		Per cent distribution (New England=100)	
	1929	1924		1929	1924	1929	1924	1929	1924		1929	1924	1929	1924
NEW ENGLAND	**4,014,862**	**4,623,731**	**−13.2**	**28**	**29**	**100.0**	**100.0**	**3,659,340**	**4,447,837**	**−17.7**	**26**	**28**	**100.0**	**100.0**
Maine	**1,401,765**	**1,643,515**	**−14.7**	**30**	**32**	**34.9**	**35.5**	**1,304,014**	**1,605,576**	**−18.8**	**28**	**31**	**35.6**	**36.1**
Androscoggin	66,991	77,721	−13.8	31	37	1.7	1.7	60,680	77,265	−21.5	28	36	1.7	1.7
Aroostook	400,443	370,397	8.1	46	46	10.0	8.0	383,003	363,795	5.3	44	45	10.5	8.2
Cumberland	63,877	90,373	−29.3	30	39	1.6	2.0	58,780	88,957	−33.9	28	38	1.6	2.0
Franklin	53,015	65,525	−19.1	24	26	1.3	1.4	50,864	63,254	−19.6	23	26	1.4	1.4
Hancock	27,069	43,555	−37.9	18	19	0.7	0.9	24,319	42,378	−42.6	16	18	0.7	1.0
Kennebec	114,637	145,284	−21.1	31	35	2.9	3.1	109,735	143,272	−23.4	30	34	3.0	3.2
Knox	36,750	37,237	−1.3	25	28	0.9	0.8	34,206	36,292	−5.7	24	28	0.9	0.8
Lincoln	42,416	53,696	−21.0	25	27	1.1	1.2	40,384	52,618	−23.3	24	27	1.1	1.2
Oxford	80,339	85,438	−6.0	20	23	2.0	1.8	73,650	82,909	−11.2	19	22	2.0	1.9
Penobscot	155,598	185,829	−16.3	31	32	3.9	4.0	135,429	178,248	−24.0	27	30	3.7	4.0
Piscataquis	34,595	53,371	−35.2	23	26	0.9	1.2	32,168	50,850	−36.7	21	25	0.9	1.1
Sagadahoc	27,190	36,601	−25.7	30	33	0.7	0.8	25,419	36,310	−30.0	28	33	0.7	0.8
Somerset	115,900	141,581	−18.1	28	30	2.9	3.1	109,579	137,666	−20.4	27	29	3.0	3.1
Waldo	82,249	103,217	−20.3	28	31	2.0	2.2	77,918	101,945	−23.6	27	30	2.1	2.3
Washington	42,581	58,937	−27.8	18	22	1.1	1.3	34,986	56,821	−38.4	15	21	1.0	1.3
York	58,115	94,753	−38.7	27	30	1.4	2.0	52,894	92,996	−43.1	24	29	1.4	2.1
N. Hampshire	**422,182**	**542,846**	**−22.2**	**22**	**24**	**10.5**	**11.7**	**380,105**	**523,386**	**−27.4**	**19**	**23**	**10.4**	**11.8**
Belknap	21,590	34,898	−38.1	21	21	0.5	0.8	20,036	34,459	−41.9	19	21	0.5	0.8
Carroll	22,238	28,434	−21.8	15	19	0.6	0.6	20,416	26,793	−23.8	14	18	0.6	0.6
Cheshire	30,539	41,142	−25.8	19	22	0.8	0.9	25,431	40,029	−36.5	16	21	0.7	0.9
Coos	50,937	54,938	−7.3	24	25	1.3	1.2	48,704	54,264	−10.2	23	25	1.3	1.2
Grafton	75,791	91,675	−17.3	22	24	1.9	2.0	69,050	90,662	−23.8	20	24	1.9	2.0
Hillsborough	50,222	71,746	−30.0	21	24	1.3	1.6	44,918	65,048	−30.9	19	22	1.2	1.5
Merrimack	53,552	69,153	−22.6	20	22	1.3	1.5	45,810	64,920	−29.4	17	21	1.3	1.5
Rockingham	53,736	70,775	−24.1	27	29	1.3	1.5	48,876	68,496	−28.6	24	28	1.3	1.5
Strafford	25,765	36,462	−29.3	26	29	0.6	0.8	22,556	35,501	−36.5	22	29	0.6	0.8
Sullivan	37,812	43,623	−13.3	22	24	0.9	0.9	34,308	43,214	−20.6	20	24	0.9	1.0
Vermont	**1,128,017**	**1,149,656**	**−1.9**	**29**	**29**	**28.1**	**24.9**	**1,073,693**	**1,127,004**	**−4.7**	**28**	**29**	**29.3**	**25.3**
Addison	138,964	139,414	−0.3	39	38	3.5	3.0	129,307	136,990	−5.6	36	38	3.5	3.1
Bennington	45,213	44,839	0.8	28	25	1.1	1.0	40,267	42,620	−5.5	25	24	1.1	1.0
Caledonia	78,800	77,807	1.3	26	26	2.0	1.7	77,108	77,182	−0.1	26	26	2.1	1.7
Chittenden	98,360	101,982	−3.6	35	36	2.4	2.2	94,143	99,982	−5.8	34	35	2.6	2.2
Essex	25,226	28,952	−12.9	22	20	0.6	0.6	23,695	28,385	−16.5	21	20	0.6	0.6
Franklin	125,931	118,997	5.8	35	35	3.1	2.6	124,230	118,143	5.2	34	35	3.4	2.7
Grand Isle	22,634	24,443	−7.4	50	54	0.6	0.5	21,966	24,194	−9.2	48	54	0.6	0.5
Lamoille	53,213	53,264	−0.1	27	28	1.3	1.2	51,951	53,092	−2.1	26	28	1.4	1.2
Orange	88,300	95,685	−7.7	25	25	2.2	2.1	83,244	93,598	−11.1	24	25	2.3	2.1
Orleans	101,697	102,886	−1.2	28	30	2.5	2.2	99,129	102,117	−2.9	28	30	2.7	2.3
Rutland	114,662	108,028	6.1	30	32	2.9	2.3	105,718	101,521	4.1	28	30	2.9	2.3
Washington	79,955	82,104	−2.6	26	28	2.0	1.8	77,459	81,471	−4.9	26	27	2.1	1.8
Windham	59,246	67,211	−11.9	21	21	1.5	1.5	54,262	64,808	−16.3	19	21	1.5	1.5
Windsor	95,816	104,044	−7.9	24	25	2.4	2.3	91,214	102,901	−11.4	23	25	2.5	2.3

Table 19.—Acreage of All Crop Land and of Crop Land Harvested with Percentage Distribution, for New England, by States and Counties: 1929 and 1924—Continued

STATE AND COUNTY	ALL CROP LAND							CROP LAND HARVESTED						
	Total acreage		Per cent increase, 1924–1929	Per cent of all land in farms		Per cent distribution (New England=100)		Total acreage		Per cent increase, 1924–1929	Per cent of all land in farms		Per cent distribution (New England=100)	
	1929	1924		1929	1924	1929	1924	1929	1924		1929	1924	1929	1924
Massachusetts	**564,054**	**677,357**	**−16.7**	**28**	**29**	**14.0**	**14.6**	**474,167**	**625,068**	**−24.1**	**24**	**26**	**13.0**	**14.1**
Barnstable	5,158	8,872	−41.9	24	25	0.1	0.2	3,432	7,125	−51.8	16	20	0.1	0.2
Berkshire	65,745	99,046	−33.6	26	28	1.6	2.1	55,897	94,336	−40.7	22	26	1.5	2.1
Bristol	40,640	44,163	−8.0	28	32	1.0	1.0	32,146	37,909	−15.2	22	27	0.9	0.9
Dukes	1,665	1,876	−11.2	10	9	(1)	(1)	1,035	1,383	−25.2	6	7	(1)	(1)
Essex	39,819	41,467	−4.0	34	36	1.0	0.9	33,290	40,202	−17.2	28	35	0.9	0.9
Franklin	63,801	68,013	−6.2	25	24	1.6	1.5	59,468	66,283	−10.3	23	24	1.6	1.5
Hampden	45,852	52,396	−12.5	28	26	1.1	1.1	33,271	45,125	−26.3	20	22	0.9	1.0
Hampshire	63,394	73,611	−13.9	28	29	1.6	1.6	55,965	68,662	−18.5	24	27	1.5	1.5
Middlesex	75,652	86,396	−12.4	38	36	1.9	1.9	64,210	78,527	−18.2	32	32	1.8	1.8
Nantucket	707	1,185	−40.3	19	24	(1)	(1)	571	1,131	−49.5	15	23	(1)	(1)
Norfolk	16,274	19,182	−15.2	30	30	0.4	0.4	12,539	16,094	−22.1	23	25	0.3	0.4
Plymouth	24,582	34,034	−27.8	24	27	0.6	0.7	19,189	26,430	−27.4	19	21	0.5	0.6
Suffolk	499	244	104.5	69	92	(1)	(1)	470	219	114.6	65	83	(1)	(1)
Worcester	120,266	146,872	−18.1	28	28	3.0	3.2	102,684	141,642	−27.5	23	27	2.8	3.2
Rhode Island	**68,256**	**76,003**	**−10.2**	**24**	**25**	**1.7**	**1.6**	**55,214**	**69,368**	**−20.4**	**20**	**22**	**1.5**	**1.6**
Bristol	2,979	3,547	−16.0	39	40	0.1	0.1	2,503	3,059	−18.2	33	35	0.1	0.1
Kent	7,341	8,127	−9.7	16	23	0.2	0.2	5,933	7,260	−18.3	13	20	0.2	0.2
Newport	14,964	15,897	−5.9	40	39	0.4	0.3	13,260	15,544	−14.7	36	38	0.4	0.3
Providence	26,468	28,493	−7.1	26	24	0.7	0.6	19,937	25,703	−22.4	20	21	0.5	0.6
Washington	16,504	19,939	−17.2	19	19	0.4	0.4	13,581	17,802	−23.7	16	17	0.4	0.4
Connecticut	430,588	534,354	−19.4	29	29	10.7	11.6	372,147	497,435	−25.2	25	27	10.2	11.2
Fairfield	48,590	70,360	−30.9	34	34	1.2	1.5	40,954	63,035	−35.0	29	31	1.1	1.4
Hartford	91,631	102,434	−10.5	37	37	2.3	2.2	78,513	94,267	−16.7	31	34	2.1	2.1
Litchfield	79,942	107,116	−25.4	29	28	2.0	2.3	71,341	103,284	−30.9	26	27	1.9	2.3
Middlesex	24,595	34,060	−27.8	24	26	0.6	0.7	21,381	31,218	−31.5	21	24	0.6	0.7
New Haven	52,052	65,821	−20.9	35	34	1.3	1.4	44,059	60,313	−26.9	29	31	1.2	1.4
New London	53,677	63,582	−15.6	22	24	1.3	1.4	46,012	60,684	−24.2	18	23	1.3	1.4
Tolland	34,125	38,946	−12.4	24	24	0.8	0.8	29,143	36,391	−19.9	21	22	0.8	0.8
Windham	45,976	52,035	−11.6	24	25	1.1	1.1	40,744	48,243	−15.5	22	23	1.1	1.1

[1] Less than one-tenth of 1 per cent.

Table 20.—Acreage of All Land in Pasture and of Woodland not Used for Pasture, with Percentage Distribution, for New England, by States and Counties: 1929 and 1924

[A minus sign (−) denotes decrease. Per cent not shown when more than 1,000]

STATE AND COUNTY	ALL PASTURE LAND							WOODLAND NOT USED FOR PASTURE						
	Total acreage		Per cent increase 1924–1929	Per cent of all farm land in farms		Per cent distribution (New England =100)		Total acreage		Per cent increase 1924–1929	Per cent of all farm land in farms		Per cent distribution (New England =100)	
	1929	1924		1929	1924	1929	1924	1929	1924		1929	1924	1929	1924
NEW ENGLAND	**6,266,500**	**6,787,334**	**−7.7**	**44**	**43**	**100.0**	**100.0**	**3,253,215**	**3,668,430**	**−11.3**	**23**	**23**	**100.0**	**100.0**
Maine	**1,637,536**	**1,751,785**	**−6.5**	**35**	**34**	**26.1**	**25.8**	**1,362,100**	**1,508,392**	**−9.7**	**29**	**29**	**41.9**	**41.1**
Androscoggin	92,118	88,294	4.3	43	42	1.5	1.3	46,547	39,491	17.9	22	19	1.4	1.1
Aroostook	140,852	111,857	25.9	16	14	2.2	1.6	269,342	244,434	10.2	31	30	8.3	6.7
Cumberland	81,752	88,360	−7.5	39	38	1.3	1.3	55,549	45,708	21.5	26	20	1.7	1.2
Franklin	100,048	108,114	−7.5	45	44	1.6	1.6	61,301	63,670	−3.7	28	26	1.9	1.7
Hancock	45,571	70,371	−35.2	31	30	0.7	1.0	66,739	104,939	−36.4	45	45	2.1	2.9
Kennebec	149,688	160,126	−6.5	41	38	2.4	2.4	83,659	100,275	−16.6	23	24	2.6	2.7
Knox	48,866	50,813	−3.8	34	39	0.8	0.7	49,534	35,798	38.4	34	27	1.5	1.0
Lincoln	73,318	90,176	−18.7	43	46	1.2	1.3	45,797	48,462	−5.5	27	24	1.4	1.3
Oxford	195,071	164,828	18.3	50	44	3.1	2.4	107,371	115,428	−7.0	27	31	3.3	3.1

BUREAU OF ... US
LIBRARY

TABLE 20.—ACREAGE OF ALL LAND IN PASTURE, AND OF WOODLAND NOT USED FOR PASTURE WITH PERCENTAGE DISTRIBUTION, FOR NEW ENGLAND, BY STATES AND COUNTIES: 1929 AND 1924—Continued

STATE AND COUNTY	ALL PASTURE LAND							WOODLAND NOT USED FOR PASTURE						
	Total acreage		Per cent increase 1924–1929	Per cent of all farm land in farms		Per cent distribution (New England = 100)		Total acreage		Per cent increase 1924–1929	Per cent of all farm land in farms		Per cent distribution (New England = 100)	
	1929	1924		1929	1924	1929	1924	1929	1924		1929	1924	1929	1924
Maine—Con.														
Penobscot	185,697	210,510	−11.8	37	36	3.0	3.1	140,583	166,594	−15.6	28	28	4.3	4.6
Piscataquis	52,443	70,721	−25.8	34	34	0.8	1.0	58,779	75,287	−21.9	39	36	1.8	2.1
Sagadahoc	33,174	39,868	−16.8	36	36	0.5	0.6	22,967	30,938	−25.8	25	28	0.7	0.8
Somerset	159,204	150,001	6.1	39	32	2.5	2.2	120,729	165,259	−26.9	30	35	3.7	4.5
Waldo	111,811	125,739	−11.1	38	37	1.8	1.9	78,691	92,583	−15.0	27	28	2.4	2.5
Washington	66,985	102,606	−34.7	29	38	1.1	1.5	104,785	79,872	31.2	45	30	3.2	2.2
York	100,938	119,401	−15.5	46	37	1.6	1.8	49,727	99,654	−50.1	23	31	1.5	2.7
New Hampshire	932,624	1,087,385	−14.2	48	48	14.9	16.0	495,599	536,743	−7.7	25	24	15.2	14.6
Belknap	58,051	89,566	−35.2	55	55	0.9	1.3	19,989	36,134	−44.7	19	22	0.6	1.0
Carroll	57,287	61,547	−6.9	40	41	0.9	0.9	55,465	50,577	9.7	38	33	1.7	1.4
Cheshire	66,834	74,215	−9.9	42	39	1.1	1.1	54,346	59,278	−8.3	34	31	1.7	1.6
Coos	113,145	119,136	−5.0	53	55	1.8	1.8	43,611	39,659	10.0	20	18	1.3	1.1
Grafton	183,736	192,330	−4.5	53	51	2.9	2.8	69,970	85,465	−18.1	20	23	2.2	2.3
Hillsborough	99,672	140,815	−29.2	42	48	1.6	2.1	71,120	70,501	0.9	30	24	2.2	1.9
Merrimack	133,113	140,287	−5.1	49	45	2.1	2.1	67,682	85,210	−20.6	25	27	2.1	2.3
Rockingham	79,439	112,606	−29.5	39	45	1.3	1.7	54,496	50,579	7.7	27	20	1.7	1.4
Strafford	43,543	49,114	−11.3	43	40	0.7	0.7	24,623	32,618	−24.5	24	26	0.8	0.9
Sullivan	97,804	107,769	−9.2	56	60	1.6	1.6	34,297	26,722	28.3	20	15	1.1	0.7
Vermont	2,191,671	2,175,508	0.7	56	55	35.0	32.1	485,931	517,724	−6.1	12	13	14.9	14.1
Addison	168,536	162,865	3.5	48	45	2.7	2.4	37,964	45,090	−15.8	11	12	1.2	1.2
Bennington	68,441	72,071	−5.0	42	40	1.1	1.1	42,341	56,759	−25.4	26	32	1.3	1.5
Caledonia	189,824	188,412	0.7	63	63	3.0	2.8	25,533	29,418	−13.2	8	10	0.8	0.8
Chittenden	149,768	156,102	−4.1	54	55	2.4	2.3	23,583	20,078	17.5	8	7	0.7	0.5
Essex	56,519	57,521	−1.7	49	40	0.9	0.8	29,764	52,775	−43.6	26	37	0.9	1.4
Franklin	203,661	193,343	5.3	56	58	3.2	2.8	23,055	16,935	36.1	6	5	0.7	0.5
Grand Isle	18,368	16,495	11.4	40	37	0.3	0.2	2,926	1,495	95.7	6	3	0.1	(1)
Lamoille	115,133	119,038	−3.3	58	63	1.8	1.8	29,634	14,190	108.8	15	8	0.9	0.4
Orange	217,105	248,224	−12.5	62	65	3.5	3.7	34,374	30,202	13.8	10	8	1.1	0.8
Orleans	224,310	200,202	12.0	62	58	3.6	2.9	26,484	30,233	−12.4	7	9	0.8	0.8
Rutland	207,429	147,470	40.7	54	44	3.3	2.2	51,177	73,479	−30.4	13	22	1.6	2.0
Washington	178,141	185,066	−3.7	59	62	2.8	2.7	41,122	25,876	58.9	14	9	1.3	0.7
Windham	156,973	184,403	−14.9	56	59	2.5	2.7	61,044	55,518	10.0	22	18	1.9	1.5
Windsor	237,463	244,296	−2.8	59	58	3.8	3.6	56,930	65,676	−13.3	14	16	1.7	1.8
Massachusetts	753,088	876,892	−14.1	38	37	12.0	12.9	517,850	637,469	−18.8	26	27	15.9	17.4
Barnstable	3,915	7,426	−47.3	18	21	0.1	0.1	9,397	15,242	−38.3	43	42	0.3	0.4
Berkshire	101,860	139,254	−26.9	41	39	1.6	2.1	66,086	100,022	−33.9	26	28	2.0	2.7
Bristol	47,082	33,994	38.5	32	24	0.8	0.5	42,827	45,827	−6.5	30	33	1.3	1.2
Dukes	9,113	6,423	41.9	57	31	0.1	0.1	2,118	8,994	−76.5	13	43	0.1	0.2
Essex	37,188	34,674	7.3	32	30	0.6	0.5	23,442	23,750	−1.3	20	21	0.7	0.6
Franklin	124,352	137,193	−9.4	48	49	2.0	2.0	61,027	64,336	−5.1	23	23	1.9	1.8
Hampden	61,588	74,044	−16.8	37	37	1.0	1.1	46,178	63,703	−27.5	28	32	1.4	1.7
Hampshire	86,405	103,344	−16.4	38	41	1.4	1.5	62,831	59,978	4.8	27	24	1.9	1.6
Middlesex	54,979	65,029	−15.5	27	27	0.9	1.0	48,724	63,717	−23.5	24	26	1.5	1.7
Nantucket	1,743	2,480	−29.7	47	50	(1)	(1)	95	----------	------	3	----	(1)	-----
Norfolk	13,832	16,083	−14.0	25	25	0.2	0.2	16,760	20,611	−18.7	31	33	0.5	0.6
Plymouth	17,392	18,225	−4.6	17	14	0.3	0.3	43,134	57,982	−25.6	43	45	1.3	1.6
Suffolk	177	15	------	25	6	(1)	(1)	19	----------	------	3	----	(1)	-----
Worcester	193,462	238,708	−19.0	44	45	3.1	3.5	95,212	113,307	−16.0	22	21	2.9	3.1
Rhode Island	100,432	110,985	−9.5	36	36	1.6	1.6	83,735	94,831	−11.7	30	31	2.6	2.6
Bristol	2,555	2,766	−7.6	34	31	(1)	(1)	1,125	957	17.6	15	11	(1)	(1)
Kent	17,244	15,476	11.4	37	43	0.3	0.2	16,660	9,679	72.1	36	27	0.5	0.3
Newport	16,086	16,826	−4.4	43	41	0.3	0.2	3,637	4,260	−14.6	10	10	0.1	0.1
Providence	35,085	40,000	−12.3	35	33	0.6	0.6	31,793	43,831	−27.5	31	37	1.0	1.2
Washington	29,462	35,917	−18.0	34	35	0.5	0.5	30,520	36,104	−15.5	35	35	0.9	1.0
Connecticut	651,149	784,779	−17.0	43	43	10.4	11.6	308,000	373,271	−17.5	21	20	9.5	10.2
Fairfield	53,736	69,641	−22.8	38	34	0.9	1.0	26,440	44,865	−41.1	19	22	0.8	1.2
Hartford	88,152	92,218	−4.4	35	34	1.4	1.4	49,411	54,792	−9.8	20	20	1.5	1.5
Litchfield	123,231	169,036	−27.1	44	44	2.0	2.5	59,531	84,651	−29.7	21	22	1.8	2.3
Middlesex	47,534	63,996	−25.7	46	49	0.8	0.9	24,634	24,678	−0.2	24	19	0.8	0.7
New Haven	58,000	73,865	−21.5	39	38	0.9	1.1	28,156	43,329	−35.0	19	22	0.9	1.2
New London	120,616	140,534	−14.2	48	53	1.9	2.1	52,772	41,929	25.9	21	16	1.6	1.1
Tolland	68,488	79,831	−14.2	49	49	1.1	1.2	28,601	29,504	−3.1	20	18	0.9	0.8
Windham	91,392	95,658	−4.5	49	46	1.5	1.4	38,455	49,523	−22.3	20	24	1.2	1.3

---

[1] Less than one-tenth of 1 per cent.

Population changes: 1850 to 1930.—The essential data concerning the changes, trends, and geographic distribution of population in New England are presented in the series of tables. (Tables 21 to 28 inclusive.) A dot map (fig. 13) shows the distribution of population throughout New England. A shaded map (fig. 15) shows the geographic variation throughout the New England States in the percentage which the total population living on farms formed of the total popula-

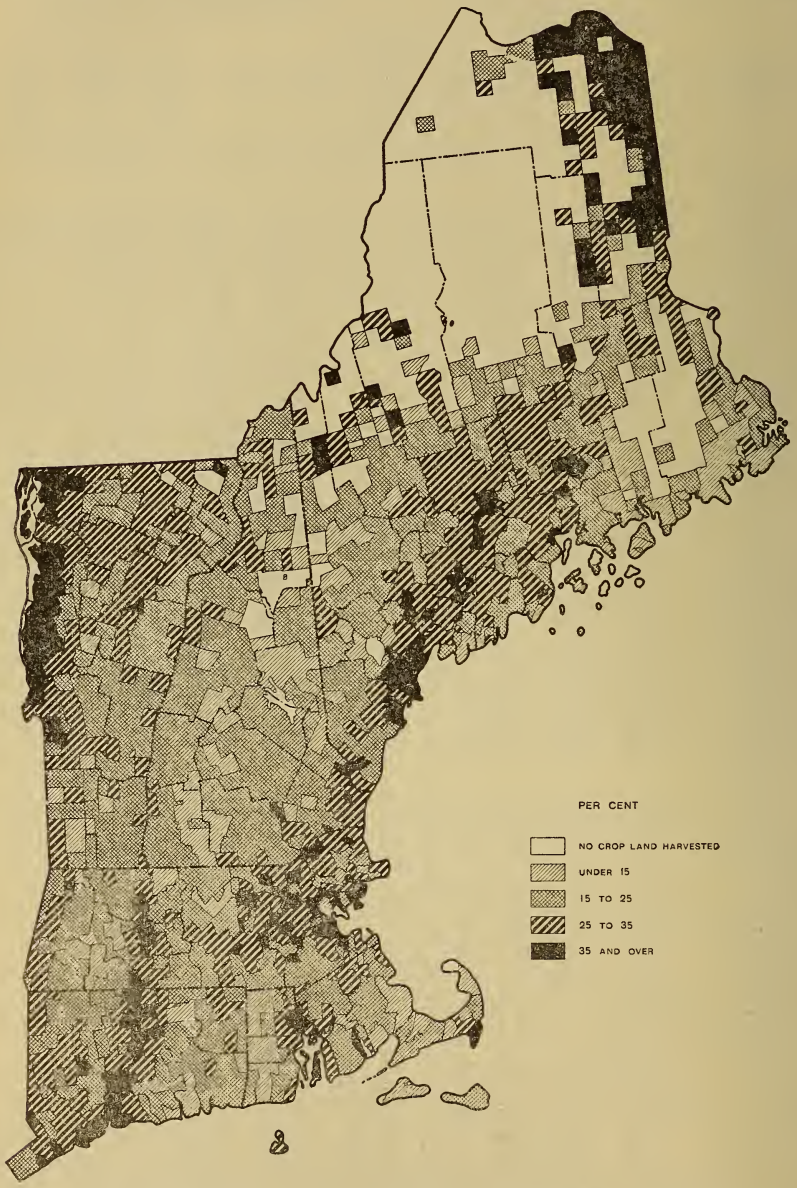

Figure 12.—Per Cent Which Crop Land Harvested in 1929 was of All Land in Farms, in 1930, by Minor Civil Divisions, for the New England States

tion in 1930. The data for both of these maps have been plotted by towns or townships, instead of by counties, in order to obtain a more accurate placement of the dots and shaded areas, respectively. The trends in the density of population (number of inhabitants per square mile) and the average value of all farm real estate per acre are presented for New England as a whole, and for the United States in Figure 14. The basic population figures, with the exception of those pertaining to the movement of farm population (Table 28), were obtained from the 1930 Census of Population.

Space will not permit an adequate discussion of the changes and geographic relationships in the population data presented in all of the accompanying tables. The data assembled, however, is in such form as to permit ready analysis, and to enable one to make comparisons, for the New England States and counties, with the changes and geographic variations in population and the average value of all farm real estate per acre for the period 1850 to 1930.

Attention should be called, however, to the general upward and somewhat parallel trends in the population per square mile and the average value of all farm real estate per acre, as shown for the United States and New England in Figure 14. The steady increase in the density of population for New England, as a whole, indicates the influence of the increasing population in Massachusetts, Rhode Island, and Connecticut. As shown in Table 21, the density of population in these three States has increased more rapidly rhan in the States of Maine, New Hampshire, and Vermont over the period of 1850 to 1930.

A comparison of the map (fig. 4) showing the geographic distribution of average farm real-estate values, with the map (fig.13) showing the distribution of population indicates, in general, for the three southern New England States, that farm real-estate values are high in, or adjacent to, those areas which are most densely populated. A comparison, however, of the map (fig. 4) with the map (fig. 15) shows that where the farm population forms a large proportion of the total population, in such areas as north central Vermont and the Berkshire Hills area of Massachusetts, farm real-estate values are relatively low.

The data presented in Table 28 tend to show that hard times in cities and industrial areas of New England forced a larger number of persons to move to the country and take up farms than have moved from farms to cities during the 12-month period ending April 1, 1930. In counties in Massachusetts, Rhode Island, and Connecticut, particularly, in which there are large cities the movement of population from city to farm appears to have been greater than in those counties which are more rural in character. Many of those persons in southern New England who moved to farms near industrial centers are in reality part-time farmers, who spend a portion of their time at work in factories and shops in near-by cities. There is an indication that the recent movement of persons to farms has been an important factor in maintaining, if not increasing, farm real-estate values in, or near, the industrial centers of southern New England.

TABLE 21.—POPULATION PER SQUARE MILE, FOR NEW ENGLAND, BY STATES AND COUNTIES: 1850 TO 1930

STATE AND COUNTY	Approximate land area, 1930 (square miles)	POPULATION PER SQUARE MILE								
		1930	1920	1910	1900	1890	1880	1870	1860	1850
NEW ENGLAND	61, 976	131. 8	119. 4	105. 7	90. 2	75. 8	64. 7	56. 3	50. 6	44. 0
Maine	29, 895	26. 7	25. 7	24. 8	23. 2	22. 1	21. 7	21. 0	21. 0	19. 5
Androscoggin [1]	459	155. 1	143. 3	130. 3	118. 2	106. 7	98. 1	78. 1	64. 8	(1)
Aroostook [1]	6, 453	13. 6	12. 7	11. 6	9. 4	7. 7	(1)	(1)	(1)	(1)
Cumberland [1]	853	157. 8	145. 8	131. 3	118. 0	106. 6	101. 2	96. 2	88. 6	(1)
Franklin	1, 789	11. 1	11. 1	10. 7	10. 3	9. 5	10. 2	10. 5	11. 4	11. 2
Hancock [1]	1, 511	20. 3	19. 9	23. 4	24. 5	24. 5	25. 1	24. 0	24. 8	22. 6
Kennebec [1]	879	80. 4	72. 6	71. 5	67. 3	64. 9	60. 4	(1)	(1)	(1)
Knox [1]	362	76. 5	74. 8	82. 6	86. 6	89. 7	93. 6	87. 8	93. 2	(1)
Lincoln [1]	457	33. 9	35. 0	39. 9	43. 0	48. 1	54. 3	56. 0	61. 0	(1)
Oxford	1, 980	21. 0	19. 0	18. 3	16. 3	15. 4	16. 5	16. 9	18. 5	(1)
Penobscot	3, 258	28. 4	26. 9	26. 2	23. 4	22. 4	(1)	(1)	(1)	(1)
Piscataquis	3, 770	4. 8	5. 5	5. 3	4. 5	4. 3	3. 9	3. 8	4. 0	39
Sagadaboc [1]	250	67. 7	92. 1	74. 3	81. 3	77. 8	77. 1	75. 2	87. 2	(1)
Somerset	3, 633	10. 8	10. 2	10. 0	9. 3	9. 0	8. 9	9. 5	10. 1	9. 8
Waldo [1]	724	28. 0	29. 5	32. 3	33. 4	38. 3	44. 8	(1)	(1)	(1)
Washington [1]	2, 528	15. 0	16. 5	17. 0	17. 9	17. 6	(1)	(1)	(1)	(1)
York	989	73. 7	71. 5	69. 3	65. 6	63. 5	62. 9	60. 8	62. 8	60. 8
New Hampshire	9, 031	51. 5	49. 1	47. 7	45. 6	41. 7	38. 4	35. 2	36. 1	35. 2
Belknap	397	57. 0	53. 3	53. 7	49. 2	51. 2	45. 2	44. 5	46. 7	44. 6
Carroll	955	14. 9	15. 7	17. 1	17. 7	19. 0	19. 1	18. 1	21. 4	21. 1
Cheshire	728	46. 3	42. 5	42. 1	43. 0	40. 6	39. 5	37. 5	37. 7	41. 4
Coos	1, 798	21. 7	20. 1	17. 1	16. 4	12. 9	10. 3	8. 3	7. 3	6. 6
Grafton [1]	1, 729	24. 8	23. 5	24. 1	23. 6	21. 5	22. 4	(1)	(1)	(1)
Hillsborough	895	156. 6	151. 4	140. 9	125. 9	104. 2	84. 5	71. 8	69. 4	64. 2
Merrimack [1]	932	60. 2	55. 5	57. 2	56. 3	53. 0	49. 7	(1)	(1)	(1)
Rockingham	691	77. 8	76. 0	75. 5	74. 0	71. 9	71. 0	68. 4	72. 5	71. 2
Strafford	379	101. 8	101. 7	102. 8	103. 8	101. 4	93. 8	79. 8	83. 1	77. 5
Sullivan	527	46. 1	39. 7	36. 7	34. 2	32. 8	34. 5	34. 3	36. 1	36. 8
Vermont	9, 124	39. 4	38. 6	39. 0	37. 7	36. 4	36. 4	36. 2	34. 5	34. 4
Addison	756	23. 7	24. 7	26. 5	29. 0	29. 5	32. 0	31. 1	31. 8	35. 1
Bennington	661	32. 8	32. 6	32. 3	32. 8	30. 9	33. 2	32. 3	29. 4	28. 1
Caledonia [1]	618	44. 1	41. 7	42. 1	39. 5	(1)	(1)	(1)	(1)	(1)
Chittenden	543	87. 4	80. 5	78. 2	72. 9	65. 2	60. 4	67. 2	51. 9	53. 5
Essex	638	11. 1	11. 5	11. 6	12. 6	14. 9	12. 4	10. 7	9. 1	7. 3
Franklin	652	46. 0	46. 1	45. 8	46. 3	45. 6	46. 4	46. 5	41. 8	43. 8
Grand Isle	83	47. 5	45. 6	45. 3	53. 8	46. 3	49. 7	49. 2	51. 5	49. 9
Lamoille	436	25. 1	27. 2	28. 9	28. 2	29. 4	29. 1	28. 6	28. 2	24. 9
Orange	676	24. 7	25. 6	27. 7	28. 6	29. 0	34. 8	34. 2	37. 7	40. 4
Orleans	688	33. 5	34. 8	33. 9	32. 0	32. 1	32. 1	30. 6	27. 6	22. 8
Rutland	911	53. 2	50. 7	52. 8	48. 5	49. 8	45. 9	44. 6	39. 5	36. 3
Washington [1]	719	58. 0	54. 1	58. 0	50. 9	(1)	(1)	(1)	(1)	(1)
Windham	795	32. 7	33. 2	33. 9	33. 5	33. 4	33. 7	32. 7	33. 9	36. 6
Windsor	948	39. 5	39. 0	35. 5	34. 0	33. 4	37. 1	38. 0	39. 2	40. 4
Massachusetts	8, 039	528. 6	479. 2	418. 8	349. 0	278. 5	221. 8	181. 3	153. 1	123. 7
Barnstable	409	79. 0	65. 2	67. 3	68. 0	71. 3	78. 0	80. 1	88. 0	86. 2
Berkshire	966	124. 9	117. 0	109. 0	99. 0	84. 0	71. 5	67. 1	57. 1	51. 3
Bristol [1]	567	643. 0	633. 2	561. 9	444. 5	328. 9	245. 2	181. 5	(1)	(1)
Dukes	107	46. 3	40. 9	42. 1	42. 6	40. 8	40. 2	35. 4	41. 1	42. 4
Essex [1]	497	1, 002. 1	970. 1	878. 2	718. 4	603. 6	492. 0	404. 1	333. 2	(1)
Franklin	697	71. 2	70. 8	62. 6	59. 1	55. 4	51. 7	46. 8	45. 1	44. 3
Hampden [1]	636	527. 5	472. 2	363. 8	276. 1	213. 4	163. 7	123. 3	90. 2	80. 6
Hampshire	585	124. 4	119. 0	108. 3	100. 5	88. 6	80. 7	75. 9	64. 7	61. 1
Middlesex	832	1, 123. 7	935. 5	805. 2	679. 9	(1)	(1)	(1)	(1)	(1)
Nantucket	51	72. 1	54. 8	58. 1	58. 9	64. 1	73. 1	80. 8	119. 5	165. 7
Norfolk	406	737. 5	539. 6	457. 3	369. 6	290. 1	235. 4	(1)	(1)	(1)
Plymouth [1]	675	240. 5	232. 5	213. 8	168. 9	137. 3	109. 7	96. 8	96. 0	82. 5
Suffolk [1]	55	15, 991. 6	15, 191. 3	14, 340. 9	11, 988. 6	9, 505. 5	(1)	(1)	(1)	(1)
Worcester [1]	1, 556	315. 7	292. 5	256. 8	223. 0	180. 5	145. 8	123. 8	(1)	(1)

[1] For changes in county boundaries, see p. 96.

TABLE 21.—POPULATION PER SQUARE MILE, FOR NEW ENGLAND, BY STATES AND COUNTIES: 1850 TO 1930—Continued

STATE AND COUNTY	Approximate land area, 1930 (square miles)	POPULATION PER SQUARE MILE								
		1930	1920	1910	1900	1890	1880	1870	1860	1850
Rhode Island	1,067	644.3	566.4	508.5	401.6	323.8	259.2	203.7	163.7	138.3
Bristol	24	1,045.4	963.0	733.4	547.7	476.2	474.8	392.5	371.1	354.8
Kent	174	295.3	219.9	209.1	172.3	153.8	118.3	106.9	99.4	86.6
Newport	114	365.5	376.3	345.0	286.0	250.5	212.1	175.9	192.1	175.5
Providence [1]	430	1,255.8	1,105.1	986.9	764.4	593.3	460.2	347.0	(1)	(1)
Washington	325	90.3	76.7	76.7	74.3	72.8	69.2	61.8	57.6	50.6
Connecticut	4,820	333.4	286.4	231.3	188.5	154.8	129.2	111.5	95.5	76.9
Fairfield	631	612.8	508.6	388.8	291.9	237.8	177.6	151.0	122.8	94.7
Hartford	729	577.6	460.9	343.2	268.1	201.9	172.0	149.5	123.4	96.0
Litchfield	925	89.2	82.4	76.0	68.8	57.9	56.3	52.7	51.2	48.9
Middlesex	369	139.3	128.9	123.7	113.2	107.1	96.4	97.8	83.6	73.8
New Haven	603	768.6	688.6	559.3	446.4	346.7	259.6	201.1	161.4	108.8
New London [1]	659	180.5	158.7	138.5	125.6	116.3	(1)	(1)	(1)	(1)
Tolland [1]	404	70.9	67.4	65.5	60.7	62.1	(1)	(1)	(1)	(1)
Windham [1]	500	108.2	105.6	96.7	93.7	90.3	(1)	(1)	(1)	(1)

[1] For changes in county boundaries, see p. 96.

TABLE 22.—INDEX NUMBER AND MEASUREMENT OF THE CHANGES IN GEOGRAPHIC DISTRIBUTION OF THE POPULATION PER SQUARE MILE, FOR NEW ENGLAND, BY STATES AND COUNTIES: 1850 TO 1930

STATE AND COUNTY	INDEX NUMBER (1910, BASE=100 PER CENT)									MEASUREMENT OF CHANGES IN GEOGRAPHIC DISTRIBUTION (NEW ENGLAND, BASE=100 PER CENT)								
	1930	1920	1910	1900	1890	1880	1870	1860	1850	1930	1920	1910	1900	1890	1880	1870	1860	1850
NEW ENGLAND	125	113	100	85	72	61	53	48	42	100	100	100	100	100	100	100	100	100
Maine	108	104	100	94	89	88	85	85	79	20	22	23	26	29	34	37	42	44
Androscoggin [1]	119	110	100	91	82	75	60	50	(1)	118	120	123	131	141	152	139	128	(1)
Aroostook [1]	117	109	100	81	66	(1)	(1)	(1)	(1)	10	11	11	10	10	(1)	(1)	(1)	(1)
Cumberland [1]	120	111	100	90	81	77	73	67	(1)	120	122	124	131	141	156	171	175	(1)
Franklin	104	104	100	96	89	95	98	107	105	8	9	10	11	13	16	19	23	25
Hancock [1]	87	85	100	105	105	107	103	106	97	15	17	22	27	32	39	43	49	51
Kennebec [1]	112	102	100	94	91	84	(1)	(1)	(1)	61	61	68	75	86	93	(1)	(1)	(1)
Knox [1]	93	91	100	105	109	113	106	113	(1)	58	63	78	96	118	145	156	184	(1)
Lincoln [1]	85	88	100	108	121	136	140	153	(1)	26	29	38	48	63	84	99	121	(1)
Oxford [1]	115	104	100	89	84	90	92	101	(1)	16	16	17	18	20	26	30	37	(1)
Penobscot [1]	108	103	100	89	85	(1)	(1)	(1)	(1)	22	23	25	26	30	(1)	(1)	(1)	(1)
Piscataquis	91	104	100	85	81	74	72	75	74	4	5	5	5	6	6	7	8	9
Sagadahoc	91	124	100	109	105	104	101	117	(1)	51	77	70	90	103	119	134	172	(1)
Somserset	108	102	100	93	90	89	95	101	98	8	9	9	10	12	14	17	20	22
Waldo [1]	87	91	100	103	119	139	(1)	(1)	(1)	21	25	31	37	51	69	(1)	(1)	(1)
Washington [1]	88	97	100	105	104	(1)	(1)	(1)	(1)	11	14	16	20	23	(1)	(1)	(1)	(1)
York	106	103	100	95	92	91	88	91	88	56	60	66	73	84	97	108	124	138
New Hampshire	108	103	100	96	87	81	74	76	74	39	41	45	51	55	59	63	71	80
Belknap	106	99	100	92	95	84	83	87	83	43	45	51	55	68	70	79	92	101
Carroll	87	92	100	104	111	112	106	125	123	11	13	16	20	25	30	32	42	48
Cheshire	110	101	100	102	96	94	89	90	98	35	36	40	48	54	61	67	75	94
Coos	127	118	100	96	75	60	49	43	39	16	17	16	18	17	16	15	14	15
Grafton [1]	103	98	100	98	89	93	(1)	(1)	(1)	19	20	23	26	28	35	(1)	(1)	(2)
Hillsborough	111	107	100	89	74	60	51	49	46	119	127	133	140	137	31	128	137	146
Merrimack [1]	105	97	100	98	93	87	(1)	(1)	(1)	46	46	54	62	70	77	(1)	(1)	(1)
Rockingham	103	101	100	98	95	94	91	96	94	59	64	71	82	95	110	121	143	162
Strafford	99	99	100	101	99	91	78	81	75	77	85	97	115	134	145	142	164	176
Sullivan	126	108	100	93	89	94	93	98	100	35	33	35	38	43	53	61	71	84

[1] For changes in county boundaries, see p. 96.
[2] Per cent not shown when more than 1,000.

TABLE 22.—INDEX NUMBER AND MEASUREMENT OF THE CHANGES IN GEOGRAPHIC DISTRIBUTION OF THE POPULATION PER SQUARE MILE, FOR NEW ENGLAND, BY STATES AND COUNTIES: 1850 TO 1930—Continued.

STATE AND COUNTY	INDEX NUMBER (1910, BASE=100 PER CENT)									MEASUREMENT OF CHANGES IN GEOGRAPHIC DISTRIBUTION (NEW ENGLAND, BASE=100 PER CENT)								
	1930	1920	1910	1900	1890	1880	1870	1860	1850	1930	1920	1910	1900	1890	1880	1870	1860	1850
Vermont	**101**	**99**	**100**	**97**	**93**	**93**	**93**	**88**	**88**	**30**	**32**	**37**	**42**	**48**	**56**	**64**	**68**	**78**
Addison	89	93	100	109	111	121	117	120	132	18	21	25	32	39	49	55	63	80
Bennington	102	101	100	102	96	103	100	91	87	25	27	31	36	41	51	57	58	64
Caledonia [1]	105	99	100	94	(1)	(1)	(1)	(1)	(1)	33	35	40	44	(1)	(1)	(1)	(1)	(1)
Chittenden	112	103	100	93	83	77	86	66	68	66	67	74	81	86	93	119	103	122
Essex	96	99	100	109	128	107	92	78	63	8	10	11	14	20	19	19	18	17
Franklin	100	101	100	101	100	101	102	91	96	35	39	43	51	60	72	83	83	100
Grand Isle	105	101	100	119	102	110	109	114	110	36	38	43	60	61	77	87	102	113
Lamoille	87	94	100	98	102	101	99	98	86	19	23	27	31	39	45	51	56	57
Orange	89	92	100	103	105	126	123	136	146	19	21	26	32	38	54	61	75	92
Orleans	99	103	100	94	95	95	90	81	67	25	29	32	35	42	50	54	55	52
Rutland	101	96	100	92	94	87	84	75	69	40	42	50	54	66	71	79	78	83
Washington [1]	100	93	100	88	(1)	(1)	(1)	(1)	(1)	44	45	55	56	(1)	(1)	(1)	(1)	(1)
Windham	96	98	100	99	99	99	96	100	108	25	28	32	37	44	52	58	67	83
Windsor	111	110	100	96	94	105	107	110	114	30	33	34	38	44	57	67	77	92
Massachusetts	**126**	**114**	**100**	**83**	**66**	**53**	**43**	**37**	**30**	**401**	**401**	**396**	**387**	**367**	**343**	**322**	**303**	**281**
Varnstable	117	97	100	101	106	116	119	131	128	60	55	64	75	94	121	142	174	196
Berkshire	115	107	100	91	77	66	62	52	47	95	98	103	110	111	111	119	113	117
Bristol [1]	114	113	100	79	59	44	32	(1)	(1)	488	530	532	493	434	379	322	(1)	(1)
Dukes	110	97	100	101	97	95	84	98	101	35	34	40	47	54	62	63	81	96
Essex [1]	114	110	100	82	69	56	46	38	30	760	812	831	796	796	760	718	658	600
Franklin	114	113	100	94	88	83	75	72	71	54	59	59	66	73	80	83	89	101
Hampden [1]	145	130	100	76	59	45	34	25	22	400	395	344	306	282	253	219	178	183
Hampshire [1]	115	110	100	93	82	75	70	60	56	94	100	102	111	117	125	135	128	139
Middlesex [1]	140	116	100	84	(1)	(1)	(1)	(1)	(1)	853	784	762	754	(1)	(1)	(1)	(1)	(1)
Nantucket	124	94	100	101	110	126	139	206	285	55	46	55	65	85	113	144	236	377
Norfolk [1]	161	118	100	81	63	51	(1)	(1)	(1)	560	452	433	410	383	364	(1)	(1)	(1)
Plymouth	112	109	100	79	64	51	45	45	39	182	195	202	187	181	170	172	190	188
Suffolk [1]	112	106	100	84	(1)	(1)	(1)	(1)	(1)	(2)	(2)	(2)	(2)	(1)	(1)	(1)	(1)	(1)
Worcester [1]	123	114	100	87	70	57	48	(1)	(1)	240	245	243	247	238	225	220	(1)	(1)
Rhode Island	**127**	**111**	**100**	**79**	**64**	**51**	**40**	**32**	**27**	**490**	**474**	**481**	**445**	**427**	**401**	**362**	**324**	**314**
Bristol	143	131	100	75	65	65	54	51	48	793	807	694	607	628	734	697	733	806
Kent	141	105	100	82	74	57	51	48	41	224	184	198	191	203	183	190	196	197
Newport	106	109	100	83	73	61	51	56	51	277	315	326	317	330	328	312	380	399
Providence [1]	127	112	100	77	60	47	35	(1)	(1)	953	926	934	847	783	711	616	(1)	(1)
Washington	118	100	100	97	95	90	81	75	66	69	64	73	82	96	107	110	114	115
Connecticut	**144**	**124**	**100**	**81**	**67**	**56**	**48**	**41**	**33**	**253**	**240**	**219**	**209**	**204**	**200**	**198**	**189**	**175**
Fairfield	158	131	100	75	61	46	39	32	24	465	426	368	324	314	274	268	243	215
Hartford	168	134	100	78	59	50	44	36	28	438	386	325	297	266	266	266	244	218
Litchfield	117	108	100	91	76	74	69	67	64	68	69	72	76	76	87	94	101	111
Middlesex	113	104	100	92	87	78	79	68	60	106	108	117	125	141	149	174	165	168
New Haven	137	123	100	80	62	46	36	29	19	583	577	529	495	457	401	357	319	247
New London [1]	130	115	100	91	84	(1)	(1)	(1)	(1)	137	133	131	139	153	(1)	(1)	(1)	(1)
Tolland [1]	108	103	100	93	95	(1)	(1)	(1)	(1)	54	56	62	67	82	(1)	(1)	(1)	(1)
Windham [1]	112	109	100	97	93	(1)	(1)	(1)	(1)	82	88	91	104	119	(1)	(1)	(1)	(1)

---

[1] For changes in county boundaries, see p. 96.

[2] Per cent not shown when more than 1,000.

TABLE 23.—POPULATION PER 100 ACRES OF ALL LAND IN FARMS FOR NEW ENGLAND, BY STATES AND COUNTIES: 1850 TO 1930

STATE AND COUNTY	1930	1920	1910	1900	1890	1880	1870	1860	1850
NEW ENGLAND	57	44	33	27	24	19	18	16	15
Maine	17	14	12	11	11	10	11	11	13
Androscoggin	33	31	23	21	20	18	15	13	-------
Aroostook	10	10	9	8	7	6	7	5	6
Cumberland	64	39	29	25	23	21	20	20	18
Franklin	9	7	6	5	5	5	5	6	7
Hancock	21	13	12	14	12	11	14	12	16
Kennebec	19	15	13	12	12	11	12	12	14
Knox	19	21	18	19	21	20	23	23	-------
Lincoln	9	9	8	9	10	11	12	13	18
Oxford	11	9	7	5	5	5	6	6	8
Penobscot	18	15	13	11	11	10	11	12	15
Piscataquis	12	9	8	6	6	5	5	6	7
Sagadahoc	19	24	16	18	18	17	16	19	-------
Somerset	10	7	6	6	6	5	6	7	9
Waldo	7	6	6	6	7	8	9	11	13
Washington	16	15	14	18	16	12	17	14	19
York	33	22	17	15	15	15	14	14	14
New Hampshire	24	17	13	11	11	9	9	9	9
Belknap	21	13	10	9	10	8	8	8	8
Carroll	10	7	6	5	6	5	4	6	7
Cheshire	21	14	9	8	8	7	8	8	8
Coos	18	15	11	9	8	7	6	4	6
Grafton	12	9	7	7	6	5	6	6	6
Hillsborough	59	44	33	25	22	17	16	14	13
Merrimack	21	14	12	11	10	10	9	9	10
Rockingham	27	19	16	15	16	14	13	14	15
Strafford	38	25	23	20	23	19	19	16	16
Sullivan	14	10	7	7	6	6	6	6	7
Vermont	9	8	8	7	8	7	7	7	8
Addison	5	5	5	5	6	6	6	7	7
Bennington	13	10	8	8	8	8	11	8	8
Caledonia	9	8	7	7	7	7	6	7	7
Chittenden	17	16	14	14	12	10	13	10	10
Essex	6	6	5	5	7	4	5	5	5
Franklin	8	8	8	8	9	8	8	8	9
Grand Isle	9	8	8	9	8	8	9	9	9
Lamoille	5	6	6	6	6	5	7	7	7
Orange	5	5	5	5	5	6	6	7	11
Orleans	6	6	6	6	6	6	6	7	5
Rutland	13	11	11	10	11	9	9	8	7
Washington	14	12	11	10	8	6	7	9	9
Windham	9	8	7	6	7	6	6	6	7
Windsor	9	8	6	6	6	6	7	7	7
Massachusetts	212	154	117	89	75	53	53	37	30
Barnstable	148	56	55	63	56	41	119	45	52
Berkshire	48	32	27	20	18	14	17	12	11
Bristol	251	202	167	129	96	75	62	49	37
Dukes	31	13	23	13	11	13	21	14	13
Essex	425	325	254	202	190	131	122	90	66
Franklin	19	18	14	12	12	10	10	9	11
Hampden	202	142	91	60	50	35	30	20	17
Hampshire	32	26	23	18	18	16	15	13	12
Middlesex	465	303	192	179	136	81	99	56	46
Nantucket	99	62	96	73	121	19	41	47	104
Norfolk	545	289	180	132	108	81	84	69	45
Plymouth	162	128	105	76	64	38	55	31	26
Suffolk	125, 648	33, 421	21, 511	14, 219	20, 199	9, 022	6, 298	5, 506	3, 906
Worcester	112	88	65	52	44	32	34	22	17
Rhode Island	246	182	122	94	74	54	43	34	27
Bristol	330	282	183	173	106	90	78	67	65
Kent	111	94	53	42	31	24	21	19	18
Newport	112	101	83	67	55	43	33	34	28
Providence	534	387	255	196	157	102	78	57	41
Washington	34	21	16	15	15	13	13	11	9
Connecticut	107	73	51	39	33	25	23	18	16
Fairfield	272	142	92	66	53	36	35	26	23
Hartford	169	114	76	56	43	33	29	23	19
Litchfield	30	20	16	14	11	11	11	10	10
Middlesex	50	39	31	28	25	21	22	15	17
New Haven	309	221	136	103	85	56	43	29	23
New London	48	36	29	25	25	22	20	19	16
Tolland	20	15	14	12	13	12	10	12	9
Windham	29	24	20	17	18	15	14	11	10

TABLE 24.—INDEX NUMBER AND MEASUREMENT OF THE CHANGES IN GEOGRAPHIC DISTRIBUTION OF THE POPULATION PER 100 ACRES OF ALL LAND IN FARMS, FOR NEW ENGLAND, BY STATES AND COUNTIES: 1850 TO 1930

STATE AND COUNTY	INDEX NUMBER (1910 BASE=100 PER CENT)									MEASUREMENT OF CHANGES IN GEOGRAPHIC DISTRIBUTION IN PERCENTAGES (NEW ENGLAND AS BASE=100 PER CENT)								
	1930	1920	1910	1900	1890	1880	1870	1860	1850	1930	1920	1910	1900	1890	1880	1870	1860	1850
NEW ENGLAND	173	133	100	82	73	58	55	48	45	100	100	100	100	100	100	100	100	100
Maine	142	117	100	92	92	83	92	92	108	30	32	36	41	46	53	61	69	87
Androscoggin [1]	143	135	100	91	87	78	65	57	----	58	70	70	78	83	95	83	81	(1)
Aroostook [1]	111	111	100	89	78	(1)	(1)	(1)	(1)	18	23	27	30	29	(1)	(1)	(1)	(1)
Cumberland [1]	221	134	100	86	79	72	69	69	(1)	112	89	88	93	96	111	111	125	(1)
Franklin	150	117	100	83	83	83	83	100	117	16	16	18	19	21	26	28	38	47
Hancock [1]	175	108	100	117	100	92	117	100	133	37	30	36	52	50	58	78	75	107
Kennebec [1]	146	115	100	92	92	85	(1)	(1)	(1)	33	34	39	44	50	58	(1)	(1)	(1)
Knox [1]	106	117	100	106	117	111	128	128	(1)	33	48	55	70	88	105	128	144	(1)
Lincoln [1]	113	113	100	113	125	138	150	163	(1)	16	20	24	33	42	58	67	81	(1)
Oxford [1]	157	129	100	71	71	71	86	86	(1)	19	20	21	19	21	26	33	38	(1)
Penobscot [1]	138	115	100	85	85	77	(1)	(1)	(1)	32	34	39	41	46	(1)	(1)	(1)	(1)
Piscataquis	150	113	100	75	75	63	63	75	88	21	20	24	22	25	26	28	38	47
Sagadahoc [1]	119	150	100	113	113	106	100	119	(1)	33	55	48	67	75	89	89	119	(1)
Somerset	167	117	100	100	100	83	100	117	150	18	16	18	22	25	26	33	44	60
Waldo [1]	117	100	100	100	117	133	(1)	(1)	(1)	12	14	18	22	29	42	(1)	(1)	(1)
Washington [1]	114	107	100	129	114	(1)	(1)	(1)	(1)	28	34	42	67	67	(1)	(1)	(1)	(1)
York	194	129	100	88	88	88	82	82	82	58	50	52	56	63	79	78	88	93
New Hampshire	185	131	100	85	85	69	69	69	69	42	39	39	41	46	47	50	56	60
Belknap	210	130	100	90	100	80	80	80	80	37	30	30	33	42	42	44	50	53
Carroll	167	117	100	83	100	83	67	100	117	18	16	18	19	25	26	22	38	47
Cheshire	233	156	100	89	89	78	89	89	89	37	32	27	30	33	37	44	50	53
Coos	164	136	100	82	73	64	55	36	55	32	34	33	33	33	37	33	25	40
Grafton [1]	171	129	100	100	86	71	(1)	(1)	(1)	21	20	21	26	25	26	(1)	(1)	(1)
Hillsborough	179	133	100	76	67	52	48	42	39	104	100	100	93	92	89	89	88	87
Merrimack [1]	175	117	100	92	83	83	(1)	(1)	(1)	37	32	36	41	42	53	(1)	(1)	(1)
Rockingham	169	119	100	94	100	88	81	88	94	47	43	48	56	67	74	72	88	100
Strafford	165	109	100	87	100	83	83	70	70	67	57	70	74	96	100	106	100	107
Sullivan	200	143	100	100	86	86	86	86	100	25	23	21	26	25	32	33	38	47
Vermont	113	100	100	88	100	88	88	88	100	16	18	24	26	33	37	39	44	53
Addison	100	100	100	100	120	120	120	140	140	9	11	15	19	25	32	33	44	47
Bennington	163	125	100	100	100	100	138	100	100	23	23	24	30	33	42	61	50	53
Caledonia [1]	129	114	100	100	(1)	(1)	(1)	(1)	(1)	16	18	21	26	(1)	(1)	(1)	(1)	(1)
Chittenden	121	114	100	100	86	71	93	71	71	30	36	42	52	50	53	72	63	67
Essex	120	120	100	100	140	80	100	100	100	11	14	15	19	29	21	28	31	33
Franklin	100	100	100	100	113	100	100	100	113	14	18	24	30	38	42	44	50	60
Grand Isle	113	100	100	113	100	100	113	113	113	16	18	24	33	33	42	50	56	60
Lamoille	83	100	100	100	100	83	117	117	117	9	14	18	22	25	26	39	44	47
Orange	100	100	100	100	100	120	120	140	220	9	11	15	19	21	32	33	44	73
Orleans	100	100	100	100	100	100	100	117	83	11	14	18	22	25	32	33	44	33
Rutland	118	100	100	91	100	82	82	73	64	23	25	33	37	46	47	50	50	47
Washington [1]	127	109	100	91	(1)	(1)	(1)	(1)	(1)	25	27	33	37	(1)	(1)	(1)	(1)	(1)
Windham	129	114	100	86	100	86	86	86	100	16	18	21	22	29	32	33	38	47
Windsor	150	133	100	100	100	100	117	117	117	16	18	18	22	25	32	39	44	47
Massachusetts	181	132	100	76	64	45	45	32	26	372	350	355	330	313	279	294	231	200
Barnstable	269	102	100	115	102	75	216	82	95	260	127	167	233	233	216	661	281	347
Berkshire	178	119	100	74	67	52	63	44	41	84	73	82	74	75	74	94	75	73
Bristol [1]	150	121	100	77	57	45	37	(1)	(1)	440	459	506	478	400	395	344	(1)	(1)
Dukes	135	57	100	57	48	57	91	61	57	54	30	70	48	46	68	117	88	87
Essex [1]	167	128	100	80	75	52	48	35	(1)	746	739	770	748	792	689	678	563	(1)
Franklin	136	129	100	86	86	71	71	64	79	33	41	42	44	50	53	56	56	73
Hampden [1]	222	156	100	66	55	38	33	22	19	354	323	276	222	208	184	167	125	113
Hampshire [1]	139	113	100	78	78	70	65	57	52	56	59	70	67	75	84	83	81	80
Middlesex [1]	242	158	100	93	(1)	(1)	(1)	(1)	(1)	816	689	582	663	(1)	(1)	(1)	(1)	(1)
Nantucket	103	65	100	76	126	20	43	49	108	174	141	291	270	504	(2)	228	294	693
Norfolk [1]	303	161	100	73	60	45	47	38	25	956	657	545	489	450	426	(1)	(1)	(1)
Plymouth	154	122	100	72	61	36	52	30	25	284	291	318	281	267	200	306	194	173
Suffolk [1]	584	155	100	66	(1)	(1)	(1)	(1)	(1)	(2)	(2)	(2)	(2)	(1)	(1)	(1)	(1)	(1)
Worcester [1]	172	135	100	80	68	49	52	34	26	196	200	197	193	183	168	189	138	113
Rhode Island	202	149	100	77	61	44	35	28	22	432	414	370	348	308	284	239	213	180
Bristol	180	154	100	95	58	49	43	37	36	579	641	555	641	442	474	433	419	433
Kent	209	177	100	79	58	45	40	36	34	195	214	161	156	129	126	117	119	120
Newport	135	122	100	81	66	52	40	41	34	196	230	252	248	229	226	183	213	187
Providence [1]	209	152	100	77	62	40	31	(1)	(1)	937	880	773	726	654	537	433	(1)	(1)
Washington	213	131	100	94	94	81	81	69	56	60	48	48	56	63	68	72	69	60
Connecticut	210	143	100	76	65	49	45	35	31	188	166	155	144	138	132	128	113	107
Fairfield	296	154	100	72	58	39	38	28	25	477	323	279	244	221	189	194	163	153
Hartford	222	150	100	74	57	43	38	30	25	296	259	230	207	179	174	161	144	127
Litchfield	188	125	100	88	69	69	69	63	63	53	45	48	52	46	58	61	63	67
Middlesex	161	126	100	90	81	68	71	48	55	88	89	94	104	104	111	122	94	113
New Haven	227	163	100	76	63	41	32	21	17	542	502	412	381	354	295	239	181	153
New London [1]	166	124	100	86	86	(1)	(1)	(1)	(1)	84	82	88	93	104	(1)	(1)	(1)	(1)
Tolland [1]	143	107	100	86	93	(1)	(1)	(1)	(1)	35	34	42	44	54	(1)	(1)	(1)	(1)
Windham [1]	145	120	100	85	90	(1)	(1)	(1)	(1)	51	55	61	63	75	(1)	(1)	(1)	(1)

---

[1] For changes in county boundaries, see p. 96.

[2] Per cent not shown when more than 1,000.

TABLE 25.—POPULATION, 1930, PER 100 ACRES OF ALL CROP LAND, 1929, FOR NEW ENGLAND, BY STATES AND COUNTIES

STATE AND COUNTY	All crop land (*acres*)	Population, 1930 per 100 acres of crop land (*number*)	Per cent distribution (New England=100)
NEW ENGLAND	4, 014, 862	203	100
Maine	1, 401, 765	57	28
Androscoggin	66, 991	106	52
Aroostook	400, 443	22	11
Cumberland	63, 877	211	104
Franklin	53, 015	38	19
Hancock	27, 069	113	56
Kennebec	114, 637	62	31
Knox	36, 750	75	37
Lincoln	42, 416	37	18
Oxford	80, 339	52	26
Penobscot	155, 598	59	29
Piscataquis	34, 595	53	26
Sagadahoc	27, 190	62	31
Somerset	115, 900	34	17
Waldo	82, 249	25	12
Washington	42, 581	89	44
York	58, 115	126	62
New Hampshire	422, 182	110	54
Belknap	21, 590	105	52
Carroll	22, 238	64	32
Cheshire	30, 539	110	54
Coos	50, 937	77	38
Grafton	75, 791	56	28
Hillsborough	50, 222	279	137
Merrimack	53, 552	105	52
Rockingham	53, 736	100	49
Strafford	25, 765	150	74
Sullivan	37, 812	64	32
Vermont	1, 128, 017	32	16
Addison	138, 964	13	6
Bennington	45, 213	48	24
Caledonia	78, 800	35	17
Chittenden	98, 360	48	24
Essex	25, 226	28	14
Franklin	125, 931	24	12
Grand Isle	22, 634	17	8
Vermont (contd.)			
Lamoille	53, 213	21	10
Orange	88, 300	19	9
Orleans	101, 697	23	11
Rutland	114, 662	42	21
Washington	79, 955	52	26
Windham	59, 246	44	22
Windsor	95, 816	39	19
Massachusetts	564, 054	753	371
Barnstable	5, 158	621	306
Berkshire	65, 745	184	91
Bristol	40, 640	898	442
Dukes	1, 665	291	143
Essex	39, 819	1, 251	616
Franklin	63, 801	78	38
Hampden	45, 852	731	360
Hampshire	63, 394	115	57
Middlesex	75, 652	1, 235	608
Nantucket	707	525	259
Norfolk	16, 274	1, 837	905
Plymouth	24, 582	660	325
Suffolk	499	175, 907	86, 654
Worcester	120, 266	408	200
Rhode Island	68, 256	1, 007	496
Bristol	2, 979	836	412
Kent	7, 341	704	347
Newport	14, 964	278	137
Providence	26, 468	2, 038	1, 004
Washington	16, 504	178	88
Connecticut	430, 588	373	184
Fairfield	48, 590	796	392
Hartford	91, 631	460	227
Litchfield	79, 942	103	51
Middlesex	24, 595	209	103
New Haven	52, 052	890	438
New London	53, 677	222	109
Tolland	34, 125	84	41
Windham	45, 976	118	58

TABLE 26.—TOTAL FARM, RURAL FARM, AND URBAN FARM POPULATION WITH PERCENTAGES OF DISTRIBUTION, FOR NEW ENGLAND, BY STATES, 1930

[A minus sign (—) denotes decrease]

STATE	TOTAL FARM POPULATION				RURAL FARM				URBAN FARM			
	Number	Per cent increase 1920–1930	Per cent of total population	Per cent distribution (New England=100)	Number	Per cent increase 1920–1930	Per cent of total farm population	Per cent distribution (New England=100)	Number	Per cent increase 1920–1930	Per cent of total farm population	Per cent distribution (New England=100)
New England	573, 251	−8. 4	7. 0	100. 0	499, 083	−6. 8	87. 1	100. 0	74, 168	−18. 0	12. 9	100. 0
Maine	170, 995	−13. 5	21. 4	29. 8	161, 429	−14. 6	94. 4	32. 3	9, 566	11. 6	5. 6	12. 9
New Hampshire	62, 850	−17. 3	13. 5	11. 0	54, 911	(1)	87. 4	11. 0	7, 939	(1)	12. 6	10. 7
Vermont	112, 904	−9. 9	31. 4	19. 7	111, 898	−10. 1	99. 1	22. 4	1, 006	23. 0	0. 9	1. 4
Massachusetts	123, 255	4. 0	2. 9	21. 5	80, 309	(1)	65. 2	16. 1	42, 946	(1)	34. 8	57. 9
Rhode Island	16, 477	8. 9	2. 4	2. 9	10, 289	(1)	62. 4	2. 1	6, 188	(1)	37. 6	8. 3
Connecticut	86, 770	−7. 0	5. 4	15. 1	80, 247	−11. 1	92. 5	16. 1	6, 523	117. 1	7. 5	8. 8

---

[1] Increase not shown by reason of changes in classification, the figures are not comparable.

TABLE 27.—TOTAL FARM, RURAL FARM, AND URBAN FARM POPULATION, WITH PERCENTAGE DISTRIBUTION, FOR NEW ENGLAND, BY STATES AND COUNTIES, 1930

STATE AND COUNTY	TOTAL FARM POPULATION			RURAL FARM			URBAN FARM		
	Number	Per cent of total population	Per cent distribution (New England=100)	Number	Per cent of total farm population	Per cent distribution (New England=100)	Number	Per cent of total farm population	Per cent distribution (New England=100)
NEW ENGLAND	573,251	7.0	100.0	499,083	87.1	100.0	74,168	12.9	100.0
Maine	170,995	21.4	29.8	161,429	94.4	32.3	9,566	5.6	12.9
Andorscoggin	9,437	13.3	1.6	6,643	70.4	1.3	2,794	29.6	3.8
Aroostook	37,972	43.2	6.6	37,830	99.6	7.6	142	0.4	0.2
Cumberland	10,388	7.7	1.8	9,524	91.7	1.9	864	8.3	1.2
Franklin	6,409	32.1	1.1	6,409	100.0	1.3			
Hancock	5,254	17.1	0.9	4,917	93.6	1.0	337	6.4	0.5
Kennebec	14,960	21.2	2.6	13,273	88.7	2.7	1,687	11.3	2.3
Knox	5,794	20.9	1.0	5,506	95.0	1.1	288	5.0	0.4
Lincoln	6,316	40.8	1.1	6,316	100.0	1.3			
Oxford	11,781	28.4	2.1	11,774	99.9	2.4	7	0.1	(1)
Penobscot	17,687	19.1	3.1	16,347	92.4	3.3	1,340	7.6	1.8
Piscataquis	3,973	21.8	0.7	3,973	100.0	0.8			
Sagadahoc	2,882	17.0	0.5	2,742	95.1	0.5	140	4.9	0.2
Somerset	12,327	31.5	2.2	12,201	99.0	2.4	126	1.0	0.2
Waldo	9,039	44.6	1.6	8,495	94.0	1.7	544	6.0	0.7
Washington	7,292	19.3	1.3	7,013	96.2	1.4	279	3.8	0.4
York	9,484	13.0	1.7	8,466	89.3	1.7	1,018	10.7	1.4
New Hampshire	62,850	13.5	11.0	54,911	87.4	11.0	7,939	12.6	10.7
Belknap	3,203	14.2	0.6	2,976	92.9	0.6	227	7.1	0.3
Carroll	3,645	25.5	0.6	3,645	100.0	0.7			
Cheshire	4,899	14.5	0.9	4,486	91.6	0.9	413	8.4	0.6
Coos	5,838	15.0	1.0	5,611	96.1	1.1	227	3.9	0.3
Grafton	8,783	20.5	1.5	7,863	89.5	1.6	920	10.5	1.2
Hillsborough	9,262	6.6	1.6	7,862	84.9	1.6	1,400	15.1	1.9
Merrimack	8,222	14.6	1.4	7,427	90.3	1.5	795	9.7	1.1
Rockingham	9,935	18.5	1.7	8,888	89.5	1.8	1,047	10.5	1.4
Strafford	3,790	9.8	0.7	2,421	63.9	0.5	1,369	36.1	1.8
Sullivan	5,273	21.7	0.9	3,732	70.8	0.7	1,541	29.2	2.1
Vermont	112,904	31.4	19.7	111,898	99.1	22.4	1,006	0.9	1.4
Addison	9,319	51.9	1.6	9,319	100.0	1.9			
Bennington	4,097	18.9	0.7	4,069	99.3	0.8	28	0.7	(1)
Caledonia	9,341	34.3	1.6	9,332	99.9	1.9	9	0.1	(1)
Chittenden	9,084	19.1	1.6	8,927	98.3	1.8	157	1.7	0.2
Essex	2,586	36.6	0.5	2,586	100.0	0.5			
Franklin	11,815	39.4	2.1	11,706	99.1	2.3	109	0.9	0.1
Grand Isle	2,331	59.1	0.4	2,331	100.0	0.5			
Lamoille	6,008	54.9	1.0	6,008	100.0	1.2			
Orange	9,332	55.9	1.6	9,332	100.0	1.9			
Orleans	10,870	47.2	1.9	10,714	98.6	2.1	156	1.4	0.2
Rutland	9,891	20.4	1.7	9,728	98.4	1.9	163	1.6	0.2
Washington	9,597	23.0	1.7	9,310	97.0	1.9	287	3.0	0.4
Windham	6,933	26.7	1.2	6,864	99.0	1.4	69	1.0	0.1
Windsor	11,700	31.3	2.0	11,672	99.8	2.3	28	0.2	(1)
Massachusetts	123,255	2.9	21.5	80,309	65.2	16.1	42,946	34.8	57.9
Barnstable	1,988	6.2	0.3	1,724	86.7	0.3	264	13.3	0.4
Berkshire	7,406	6.1	1.3	5,272	71.2	1.1	2,134	28.8	2.9
Bristol	15,911	4.4	2.8	10,114	63.6	2.0	5,797	36.4	7.8
Dukes	339	6.8	0.1	339	100.0	0.1			
Essex	9,757	2.0	1.7	3,415	35.0	0.7	6,342	65.0	8.6
Franklin	11,688	23.6	2.0	9,830	84.1	2.0	1,858	15.9	2.5
Hampden	8,596	2.6	1.5	5,188	60.4	1.0	3,408	39.6	4.6
Hampshire	11,895	16.3	2.1	8,290	69.7	1.7	3,605	30.3	4.9
Middlesex	16,881	1.8	2.9	10,586	62.7	2.1	6,295	37.3	8.5
Nantucket	128	3.5	(1)				128	100.0	0.2
Norfolk	6,101	2.0	1.1	3,194	52.4	0.6	2,907	47.6	3.9
Plymouth	6,895	4.2	1.2	3,855	55.9	0.8	3,040	44.1	4.1
Suffolk	159	(1)	(1)				159	100.0	0.2
Worcester	25,511	5.2	4.5	18,502	72.5	3.7	7,009	27.5	9.5
Rhode Island	16,477	2.4	2.9	10,289	62.4	2.1	6,188	37.6	8.3
Bristol	838	3.3	0.1				838	100.0	1.1
Kent	2,409	4.7	0.4	1,080	44.8	0.2	1,329	55.2	1.8
Newport	3,938	9.5	0.7	3,858	98.0	0.8	80	2.0	0.1
Providence	6,281	1.2	1.1	2,761	44.0	0.6	3,520	56.0	4.7
Washington	3,011	10.3	0.5	2,590	86.0	0.5	421	14.0	0.6
Connecticut	86,770	5.4	15.1	80,247	92.5	16.1	6,523	7.5	8.8
Fairfield	12,063	3.1	2.1	10,868	90.1	2.2	1,195	9.9	1.6
Hartford	20,671	4.9	3.6	19,009	92.0	3.8	1,662	8.0	2.2
Litchfield	10,655	12.9	1.9	10,087	94.7	2.0	568	5.3	0.8
Middlesex	5,896	11.5	1.0	4,995	84.7	1.0	901	15.3	1.2
New Haven	10,834	2.3	1.9	9,178	84.7	1.8	1,656	15.3	2.2
New London	11,021	9.3	1.9	10,784	97.8	2.2	237	2.2	0.3
Tolland	7,634	26.6	1.3	7,489	98.1	1.5	145	1.9	0.2
Windham	7,996	14.8	1.4	7,837	98.0	1.6	159	2.0	0.2

---

[1] Less than one-tenth of 1 per cent.

TABLE 28.—MOVEMENT OF POPULATION FROM CITY TO FARM AND FROM FARM TO CITY, FOR THE 12-MONTH PERIOD ENDING APRIL 1, 1930, FOR NEW ENGLAND, BY STATES AND COUNTIES

[A minus sign (–) denotes loss]

STATE AND COUNTY	MOVEMENT FROM CITY [1] TO FARM			MOVEMENT FROM FARM TO CITY [1]			NET GAIN TO FARMS	
	Farms reporting	Persons who moved: Number	Persons who moved: Average per farm reporting	Farms reporting	Persons who moved: Number	Persons who moved: Average per farm reporting	Number	Per cent of total farm population
NEW ENGLAND	**7,585**	**20,391**	**3**	**5,116**	**10,946**	**2**	**9,445**	**1.6**
Maine	**1,951**	**4,950**	**3**	**1,425**	**2,790**	**2**	**2,160**	**1.3**
Androscoggin	146	406	3	103	169	2	237	2.5
Aroostook	260	636	2	230	415	2	221	0.6
Cumberland	129	307	2	104	216	2	91	0.9
Franklin	74	197	3	66	140	2	57	0.9
Hancock	78	180	2	55	106	2	74	1.4
Kennebec	246	622	3	167	325	2	297	2.0
Knox	70	164	2	55	89	2	75	1.3
Lincoln	50	111	2	49	113	2	–2	(2)
Oxford	144	377	3	106	271	3	106	0.9
Penobscot	234	608	3	146	300	2	308	1.7
Piscataquis	44	91	2	39	89	2	2	0.1
Sagadahoc	58	155	3	32	52	2	103	3.6
Somerset	173	435	3	102	225	2	210	1.7
Waldo	66	147	2	51	94	2	53	0.6
Washington	78	261	3	47	80	2	181	2.5
York	101	253	3	73	106	1	147	1.5
New Hampshire	**960**	**2,417**	**3**	**576**	**1,140**	**2**	**1,277**	**2.0**
Belknap	53	142	3	34	74	2	68	2.1
Carroll	34	53	2	27	46	2	7	0.2
Cheshire	101	277	3	69	171	2	106	2.2
Coos	88	213	3	53	129	2	84	1.4
Grafton	96	224	2	54	113	2	111	1.3
Hillsborough	155	418	3	107	179	2	239	2.6
Merrimack	144	360	3	78	153	2	207	2.5
Rockingham	145	366	3	81	132	2	234	2.4
Strafford	62	168	3	29	47	2	121	3.2
Sullivan	82	196	2	44	96	2	100	1.9
Vermont	**1,359**	**3,406**	**3**	**995**	**2,240**	**2**	**1,166**	**1.0**
Addison	91	228	3	55	127	2	101	1.1
Bennington	72	177	2	40	77	2	100	2.4
Caledonia	91	235	3	68	136	2	99	1.1
Chittenden	137	397	3	103	274	3	123	1.4
Essex	45	82	2	34	73	2	9	0.3
Franklin	114	287	3	93	247	3	40	0.3
Grand Isle	36	90	3	36	86	2	4	0.2
Lamoille	49	168	3	27	90	3	78	1.3
Orange	84	204	2	76	175	2	29	0.3
Orleans	166	396	2	121	240	2	156	1.4
Rutland	125	337	3	75	181	2	156	1.6
Washington	142	312	2	124	251	2	61	0.6
Windham	74	186	3	66	138	2	48	0.7
Windsor	133	307	2	77	145	2	162	1.4
Massachusetts	**2,105**	**6,051**	**3**	**1,317**	**2,885**	**2**	**3,166**	**2.6**
Barnstable	144	695	5	11	27	2	668	33.6
Berkshire	147	386	3	101	202	2	184	2.5
Bristol	200	543	3	120	284	2	259	1.6
Dukes	10	27	3	10	24	2	3	0.9
Essex	144	379	3	92	193	2	186	1.9
Franklin	133	322	2	138	249	2	73	0.6
Hampden	170	514	3	100	240	2	274	3.2
Hampshire	157	400	3	123	236	2	164	1.4
Middlesex	343	1,019	3	189	452	2	567	3.4
Nantucket	11	26	2	4	11	3	15	11.7
Norfolk	116	332	3	51	127	2	205	3.4
Plymouth	119	318	3	75	156	2	162	2.3
Suffolk	2	10	5	2	12	6	–2	–1.3
Worcester	409	1,080	3	301	672	2	408	1.6

[1] City or other incorporated place.

[2] Less than one-tenth of 1 per cent decrease.

TABLE 28.—MOVEMENT OF POPULATION FROM CITY TO FARM AND FROM FARM TO CITY, FOR THE 12-MONTH PERIOD ENDING APRIL 1, 1930, FOR NEW ENGLAND, BY STATES AND COUNTIES—Continued

STATE AND COUNTY	MOVEMENT FROM CITY [1] TO FARM			MOVEMENT FROM FARM TO CITY [1]			NET GAIN TO FARMS	
	Farms reporting	Persons who moved		Farms reporting	Persons who moved		Number	Per cent of total farm population
		Number	Average per farm reporting		Number	Average per farm reporting		
Rhode Island	**202**	**664**	**3**	**81**	**183**	**2**	**481**	**2.9**
Bristol	10	21	2	8	14	2	7	0.8
Kent	32	89	3	13	28	2	61	2.5
Newport	27	95	4	13	31	2	64	1.6
Providence	88	353	4	29	69	2	284	4.5
Washington	45	106	2	18	41	2	65	2.2
Connecticut	**1,008**	**2,903**	**3**	**722**	**1,708**	**2**	**1,195**	**1.4**
Fairfield	134	471	4	66	162	2	309	2.6
Hartford	200	597	3	152	379	2	218	1.1
Litchfield	135	392	3	119	296	2	96	0.9
Middlesex	68	131	2	62	81	1	50	0.8
New Haven	138	422	3	81	238	3	184	1.7
New London	128	334	3	95	209	2	125	1.1
Tolland	106	272	3	77	207	3	65	0.9
Windham	99	284	3	70	136	2	148	1.9

[1] City or other incorporated place.

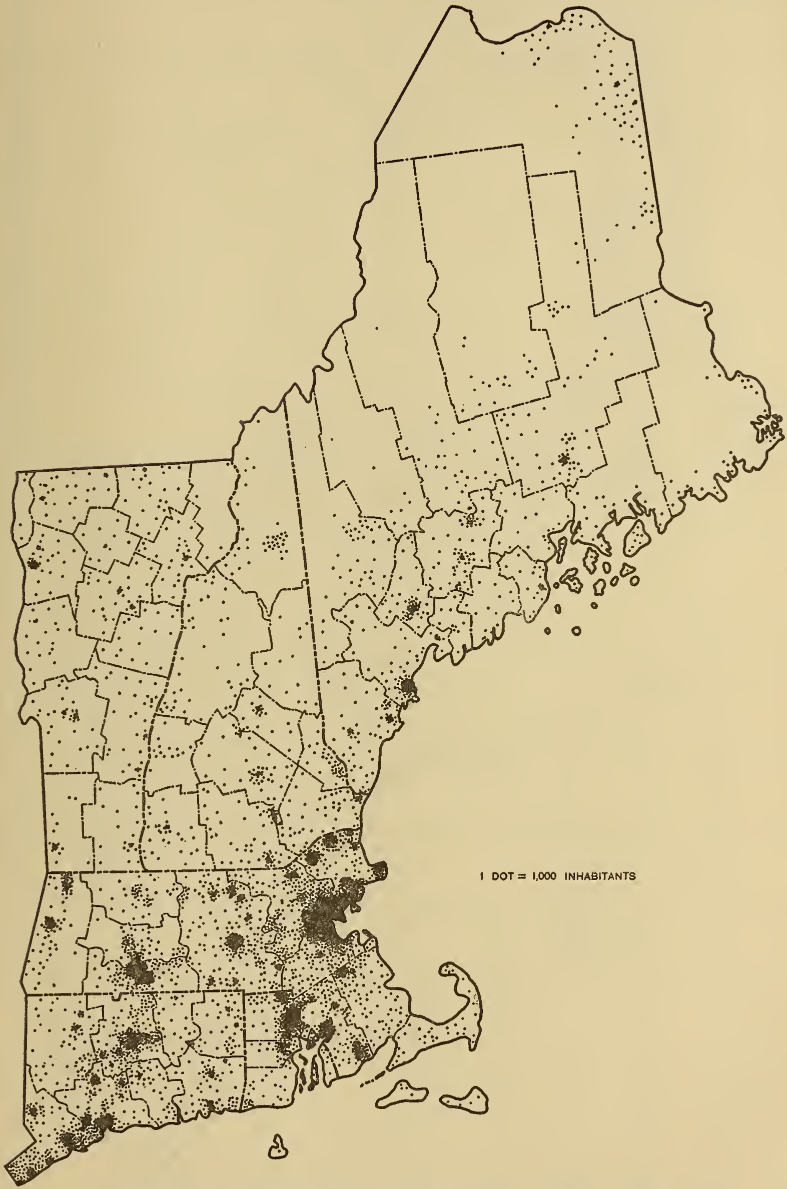

FIGURE 13.—TOTAL POPULATION IN THE NEW ENGLAND STATES, 1930

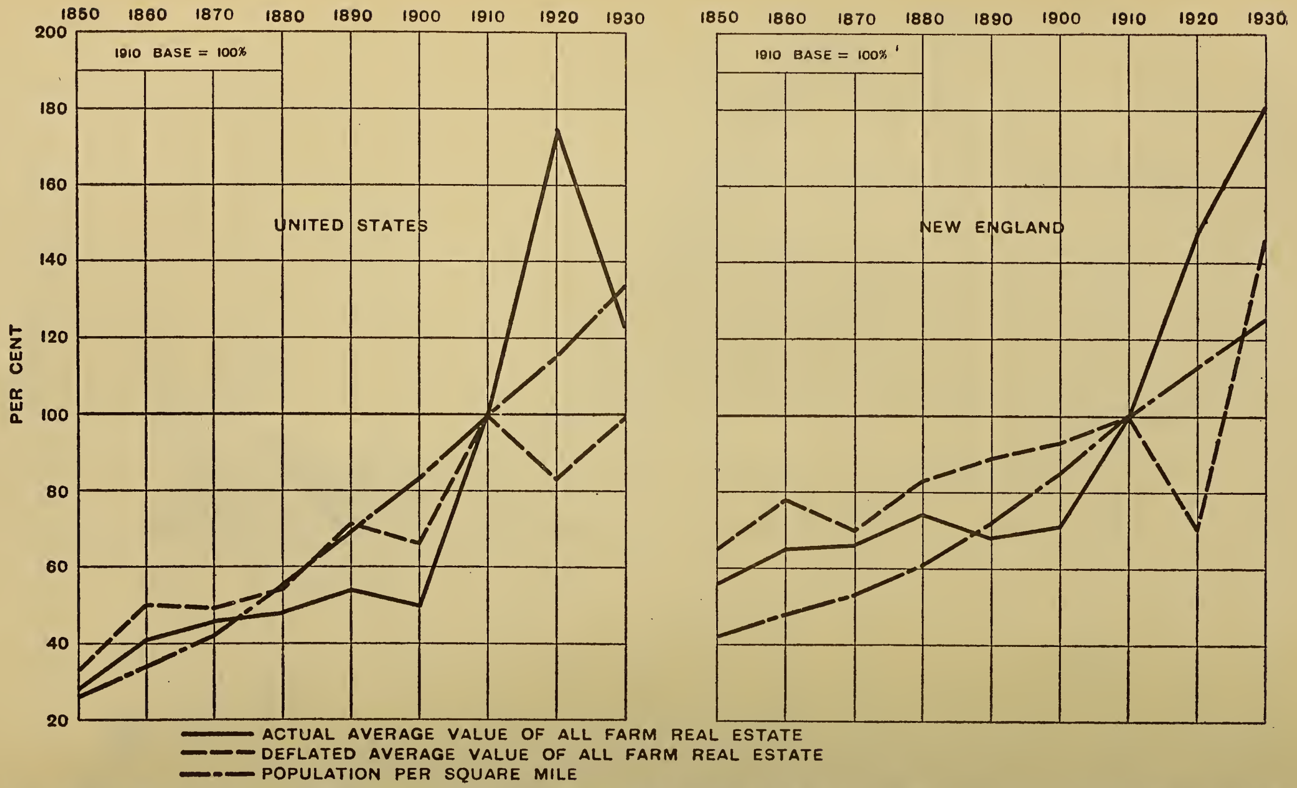

FIGURE 14.—TREND IN POPULATION PER SQUARE MILE AND IN THE AVERAGE VALUE OF FARM REAL ESTATE (LAND AND BUILDINGS) PER ACRE, IN PER CENTS (1910=100), FOR THE UNITED STATES AND THE NEW ENGLAND STATES: 1850–1930

Farm prices and farm production: 1909 to 1929.—A change in price levels usually has some effect upon farm real-estate values, especially if the change is in one direction over a considerable period of time. Statistics are therefore presented which relate to the prices paid producers (or "farm prices") for selected crops and livestock products and values for the principal crops and livestock products of New England.

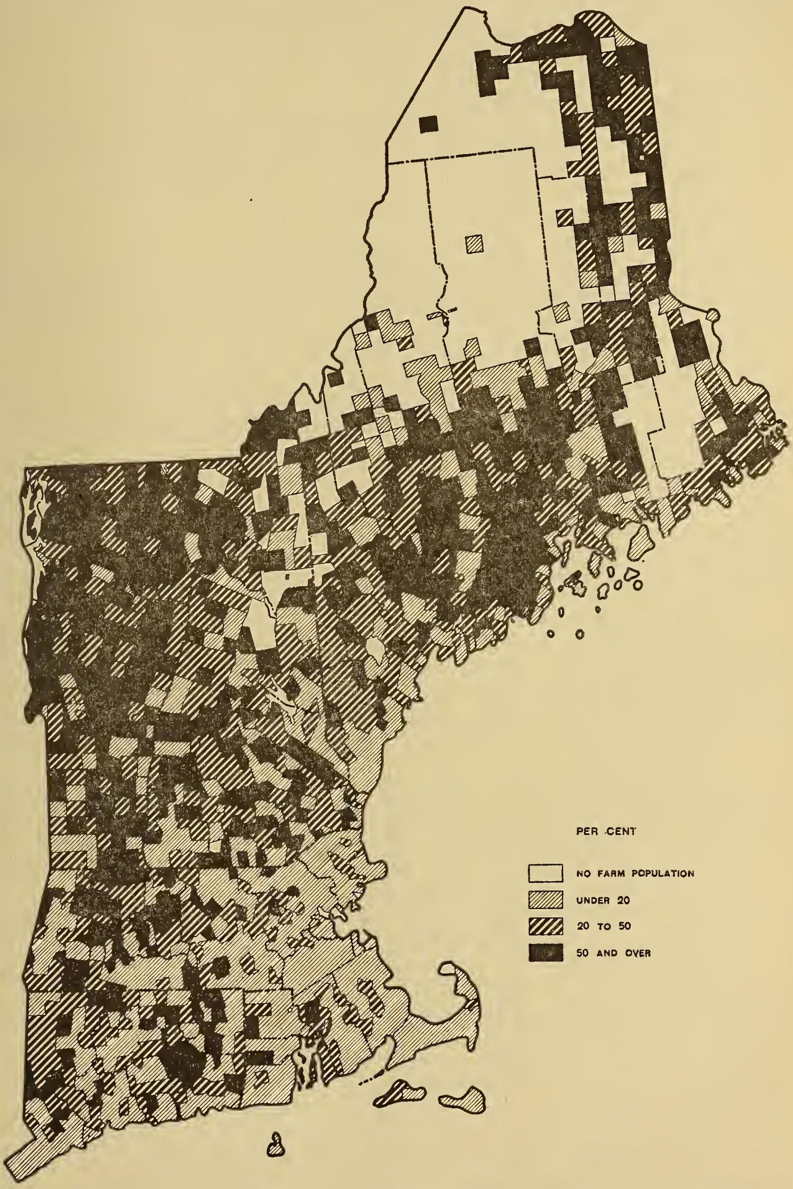

FIGURE 15.—PER CENT WHICH THE TOTAL FARM POPULATION IS OF THE TOTAL POPULATION, BY MINOR CIVIL DIVISIONS, FOR THE NEW ENGLAND STATES, 1930

TABLE 29.—COMPARATIVE STATEMENT SHOWING AVERAGE VALUE AND TOTAL COMPUTED ON THE BASIS OF 1909 PRICES, TOGETHER WITH PERCENTAGES OF 1929, 1919, AND 1909

[A minus sign (–)

	STATE AND PRODUCT	Unit	AVERAGE VALUE PER UNIT						VALUE OF PRODUCTS
			1929	1919	1909	Per cent increase [1]			As reported, 1929
						1919 to 1929	1909 to 1929	1909 to 1919	
	UNITED STATES		*Dolls.*	*Dolls.*	*Dolls.*				*Dollars*
1	**Principal crops** [2]								3,987,309,168
2	Potatoes (Irish or white)	Bu	1. 29	2. 20	0. 43	–41. 6	200. 9	414. 9	414. 833, 638
3	Tobacco	Lb	0. 18	0. 32	0. 10	–43. 6	84. 8	227. 5	265, 886, 604
4	All hay crops (including wild, salt, or prairie grasses).[3]	Ton							988, 436, 875
5	Timothy and (or) timothy and clover mixed.	Ton	11. 18	23. 85	10. 42	–53. 1	7. 3	129. 0	352, 112, 817
6	Other tame grasses	Ton	11. 54	20. 80	9. 72	–44. 5	18. 7	113. 9	59, 228, 735
7	Alfalfa	Ton	13. 49	22. 07	7. 85	–38. 9	71. 9	181. 2	317, 043, 137
8	Clover alone	Ton	11. 07	24. 17	9. 29	–54. 2	19. 2	160. 3	86, 732, 330
9	Small grains and annual legumes saved for hay.	Ton	14. 47	23. 31	11. 49	–37. 9	25. 9	102. 8	92, 138, 896
10	Oats threshed	Bu	0. 41	0. 81	0. 41	–49. 0	(4)	96. 8	410, 167, 331
11	Corn harvested for grain	Bu	0. 77	1. 50	0. 56	–48. 7	36. 2	165. 3	1,635,909,664
12	Navy and other ripe field beans	Bu	3. 79	4. 39	1. 94	–13. 7	95. 8	126. 8	77, 097, 864
13	Apples harvested	Bu	1. 26	1. 77	0. 57	–28. 9	119. 6	209. 1	158, 947, 200
14	Peaches harvested	Bu	1. 28	1. 89	0. 81	–32. 0	58. 0	132. 4	54, 889, 650
15	Strawberries	Qt	0. 13	0. 20	0. 07	–35. 9	86. 2	190. 5	43, 167, 174
16	Cranberries	Qt	0. 12	0. 09	0. 05	37. 2	171. 1	97. 6	3, 783, 259
17	Raspberries and loganberries	Qt	0. 17	0. 22	0. 08	–21. 9	102. 4	159. 1	10, 577, 870
18	Maple sirup	Gal	2. 05	2. 63	0. 92	–22. 2	121. 4	184. 7	4, 792, 999
19	**Principal livestock products**								3,288,268,416
20	Whole milk sold	Gal	0. 23	0. 28	0. 13	–18. 0	78. 5	117. 7	1,036,650,035
21	Cream sold as butterfat	Lb	0. 46	0. 57	0. 27	–19. 9	69. 6	111. 8	538, 795, 009
22	Cream sold *not* as butterfat	Gal	1. 65	1. 36	0. 69	21. 2	140. 7	98. 5	26, 139, 341
23	Butter churned	Lb	0. 40	0. 49	0. 22	–18. 2	78. 6	118. 4	216, 897, 575
24	Chicken eggs produced [5]	Doz	0. 30	0. 40	0. 19	–25. 7	54. 3	107. 8	799, 261, 156
25	Chickens raised [5]	Each	0. 92	0. 82	0. 40	12. 6	128. 8	103. 3	581, 110, 136
26	Wool shorn (unwashed) [5]	Lb	0. 30	0. 53	0. 23	–42. 6	33. 5	132. 7	89, 415, 164
	NEW ENGLAND								
27	**Principal crops** [2]								143, 574, 848
28	Potatoes (Irish or white)	Bu	1. 23	2. 11	0. 42	–41. 8	189. 8	398. 2	64, 463, 956
29	Tobacco	Lb	0. 46	0. 35	0. 15	30. 4	207. 6	135. 9	17, 551, 853
30	All hay crops (including wild, salt, or prairie grasses).[2]	Ton							39, 430, 491
31	Timothy and (or) timothy and clover mixed.	Ton	12. 78	25. 71	15. 48	–50. 3	–17. 4	66. 1	28, 631, 901
32	Other tame grasses	Ton	10. 83	23. 60	14. 08	–54. 1	–23. 1	67. 6	7, 809, 825
33	Alfalfa	Ton	19. 85	30. 53	15. 95	–35. 0	24. 5	91. 4	1, 042, 134
34	Clover alone	Ton	13. 83	24. 85	14. 32	–44. 4	–3. 5	73. 5	909, 129
35	Small grains and annual legumes saved for hay.	Ton	11. 21	21. 75	10. 43	–48. 5	7. 4	108. 5	849, 298
36	Oats threshed	Bu	0. 68	1. 03	0. 55	–34. 2	23. 6	88. 0	3, 499 925
37	Corn harvested for grain	Bu	1. 09	1. 85	0. 67	–40. 9	61. 7	173. 7	1, 568, 080
38	Navy and other ripe field beans	Bu	5. 20	5. 94	2. 98	–12. 4	74. 6	99. 4	610, 575
39	Apples harvested	Bu	1. 27	1. 62	0. 60	–21. 3	113. 6	171. 5	9, 145, 411
40	Peaches harvested	Bu	2. 04	2. 50	1. 55	–18. 2	31. 5	60. 8	621, 671
41	Strawberries	Qt	0. 19	0. 25	0. 09	–24. 3	105. 6	171. 6	1, 520, 902
42	Cranberries	Qt	0. 12	0. 08	0. 05	51. 5	158. 9	70. 9	2, 692, 411
43	Raspberries and loganberries	Qt	0. 31	0. 30	0. 13	2. 5	130. 3	124. 8	307, 469
44	Maple sirup	Gal	2. 03	2. 60	0. 95	–21. 9	112. 8	172. 4	2, 350, 308
45	**Principal livestock products**								153, 036, 587
46	Whole milk sold	Gal	0. 28	0. 34	0. 18	–18. 5	55. 4	90. 8	83, 460, 870
47	Cream sold as butterfat	Lb	0. 53	0. 61	0. 30	–13. 3	75. 4	102. 3	6, 235, 329
58	Cream sold *not* as butterfat	Gal	2. 47	1. 43	0. 61	72. 2	305. 1	135. 3	2, 730, 626
49	Butter churned	Lb	0. 50	0. 60	0. 29	–16. 8	72. 2	107. 1	6, 781, 512
50	Chicken eggs produced [5]	Doz	0. 46	0. 58	0. 27	–21. 1	66. 8	111. 4	28, 890, 050
51	Chickens raised [5]	Each	1. 49	1. 27	0. 65	17. 4	129. 3	95. 4	24, 588, 964
52	Wool shorn (unwashed) [5]	Lb	0. 39	0. 61	0. 29	–36. 8	34. 6	113. 0	349, 236

---

[1] Per cent increase (or decrease) is computed from average values carried to 5 decimal places.

[2] The value of wild, salt, or prairie grasses is included with that of Fall hay crops; *but is not included in the total for " Principal crops."*

[3] Does not include potatoes (Irish or white) grown in farm gardens.

VALUE OF PRINCIPAL CROPS AND LIVESTOCK PRODUCTS AS REPORTED, ALSO WHEN INCREASE IN VALUE, FOR THE UNITED STATES AND THE NEW ENGLAND STATES:

denotes decrease]

VALUE OF PRODUCTS—continued				INCREASE IN VALUE OF PRODUCTS 1909 TO 1929 (PER CENT)			INCREASE IN VALUE OF PRODUCTS 1909 TO 1919 (PER CENT)			
Computed for 1929 on basis of 1909 prices	As reported, 1919	Computed for 1919 on basis of 1909 prices	As reported, 1909	Gross increase	Increase partly due to change in production	Increase due to change in price	Gross increase	Increase partly due to change in production	Increase due to change in price	
Dollars	*Dollars*	*Dollars*	*Dollars*							
2, 778, 412, 386	7, 633, 606, 919	2, 913, 947, 812	2, 971, 403, 003	34. 2	−6. 5	43. 5	156. 9	−1. 9	162. 0	1
137, 868, 269	[3] 639, 440, 521	124, 189, 737	166, 423, 910	149. 3	−17. 2	200. 9	284. 2	−25. 4	414. 9	2
143, 888, 623	443, 705, 030	135, 490, 906	104, 302, 856	154. 9	38. 0	84. 8	325. 4	29. 9	227. 5	3
762, 723, 025	1,953,149,124	804, 164, 306	776, 067, 880	27. 4	−1. 7	29. 6	151. 7	3. 6	142. 9	4
328, 138, 451	909, 712, 422	397, 297, 674	445, 363, 225	−20. 9	−26. 3	7. 3	104. 3	−10. 8	129. 0	5
49, 886, 614	133, 181, 607	62, 268, 166	55, 554, 001	6. 6	−10. 2	18. 7	139. 7	12. 1	113. 9	6
184, 431, 767	416, 178, 534	148, 003, 316	93, 103, 998	240. 5	98. 1	71. 9	347. 0	59. 0	181. 2	7
72, 762, 757	100, 249, 755	38, 517, 593	29, 334, 356	195. 7	148. 0	19. 2	241. 7	31. 3	160. 3	8
73, 194, 761	167, 324, 192	82, 508, 584	61, 686, 131	49. 4	18. 7	25. 9	171. 3	33. 8	102. 8	9
408, 773, 468	855, 255, 468	434, 482, 069	414, 697, 422	−1. 1	−1. 4	(4)	106. 2	4. 8	96. 8	10
1,200,998,242	3,507,797,102	1,322,228,493	1,438,553,919	13. 7	−1. 5	36. 2	143. 8	−8. 1	165. 3	11
39, 384, 986	61, 795, 225	27, 243, 608	21, 771, 482	254. 1	80. 9	95. 8	183. 8	25. 1	126. 8	12
72, 367, 753	241, 573, 577	78, 164, 783	83, 231, 492	91. 0	−13. 1	119. 6	190. 2	−6. 1	209. 1	13
34, 750, 270	95, 569, 868	41, 127, 194	28, 781, 078	90. 7	20. 7	58. 0	232. 1	42. 9	132. 4	14
23, 180, 915	36, 004, 245	12, 395, 824	17, 913, 926	141. 0	29. 4	86. 2	101. 0	−30. 8	190. 5	15
1, 395, 345	3, 197, 979	1, 618, 800	1, 755, 613	115. 5	−20. 5	171. 1	82. 2	−7. 8	97. 6	16
5, 225, 351	13, 386, 125	5, 167, 348	5, 132, 277	106. 1	1. 8	102. 4	160. 8	0. 7	159. 1	17
2, 164, 814	9, 235, 269	3, 243, 717	3, 797, 317	26. 2	−43. 0	121. 4	143. 2	−14. 6	184. 7	18
1, 885, 779, 629	2, 646, 806, 185	1, 248, 096, 836	1, 148, 935, 622	186. 2	64. 1	74. 4	130. 4	8. 6	112. 1	19
580, 614, 288	717, 380, 222	329, 597, 176	252, 436, 757	310. 7	130. 0	78. 5	184. 2	30. 6	117. 7	20
317, 736, 853	303, 552, 156	143, 328, 006	82, 311, 511	554. 6	286. 0	69. 6	268. 8	74. 1	111. 8	21
10, 861, 912	111, 905, 929	56, 377, 426	37, 655, 047	−30. 6	−71. 2	140. 7	197. 2	49. 7	98. 5	22
121, 454, 925	346, 355, 759	158, 559, 754	222, 861, 440	−2. 7	45. 5	78. 6	55. 4	28. 9	118. 4	23
517, 959, 218	[6] 661, 082, 803	318, 519, 432	[6] 303, 296, 012	163. 5	70. 8	54. 3	118. 0	5. 0	107. 5	24
270, 199, 342	[6] 386, 111, 767	189, 956, 957	[6] 184, 902, 527	214. 3	46. 1	115. 1	108. 8	2. 7	103. 3	25
66, 953, 091	[6] 120, 417, 549	51, 758, 085	[6] 65, 472, 328	36. 6	2. 3	33. 5	83. 9	20. 9	132. 7	26
84, 280, 551	229, 607, 959	96, 750, 287	96, 623, 889	48. 6	12. 8	70. 4	137. 6	0. 1	137. 3	27
19, 879, 605	[3] 68, 958, 572	13, 239, 060	17, 456, 938	269. 3	13. 9	224. 3	295. 0	−24. 2	420. 9	28
5, 643, 906	19, 985, 748	8, 480, 995	5, 670, 002	209. 6	−0. 5	211. 0	252. 5	49. 6	135. 7	29
47, 041, 723	96, 309, 865	56, 808, 176	54, 582, 556	−27. 8	−13. 8	−16. 2	76. 4	4. 1	69. 5	30
34, 204, 348	70, 571, 743	41, 798, 554	38, 393, 768	−25. 4	−10. 9	−16. 3	83. 8	8. 9	68. 8	31
10, 042, 009	20, 325, 516	12, 162, 168	13, 176, 247	−40. 7	−23. 8	−22. 2	54. 3	−7. 7	67. 1	32
817, 168	335, 582	173, 479	32, 388	(4)	(4)	27. 5	936. 1	435. 6	93. 4	33
933, 682	920, 289	529, 083	310, 633	192. 7	200. 6	−2. 6	196. 3	70. 3	73. 9	34
802, 882	3, 235, 235	1, 572, 783	1, 760, 562	−51. 8	−54. 4	5. 8	83. 8	−10. 7	105. 7	35
2, 811, 788	7, 312, 401	3, 895, 465	4, 027, 338	−13. 1	−30. 2	24. 5	81. 6	−3. 3	87. 7	36
971, 513	10, 338, 708	3, 790, 591	5, 560, 074	−71. 8	−82. 5	61. 4	85. 9	−31. 8	172. 7	37
356, 923	815, 696	398, 198	432, 501	41. 2	−17. 5	71. 1	88. 6	−7. 9	104. 8	38
4, 363, 361	19, 562, 535	7, 308, 339	6, 272, 726	45. 8	−30. 4	109. 6	211. 9	16. 5	167. 7	39
473, 432	1, 197, 192	742, 479	632, 411	−1. 7	−25. 1	31. 3	89. 3	17. 4	61. 2	40
751, 872	1, 562, 569	584, 268	1, 068, 887	42. 3	−29. 7	102. 3	46. 2	−45. 3	167. 4	41
1, 033, 156	1, 868, 608	1, 093, 397	1, 085, 247	148. 1	−4. 8	160. 6	72. 2	0. 8	70. 9	42
133, 219	413, 161	185, 809	149, 646	105. 5	−11. 0	130. 8	176. 1	24. 2	122. 4	43
1, 061, 687	2, 204, 404	795, 619	594, 521	295. 3	78. 6	121. 4	270. 8	33. 8	177. 1	44
87, 231, 659	131, 932, 751	65, 656, 048	73, 202, 079	109. 1	19. 2	75 4	80. 2	−10. 3	100. 9	45
50, 345, 335	71, 144, 292	36, 082, 931	31, 344, 948	166. 3	60. 6	65. 8	127. 0	15. 1	97. 2	46
3, 504, 882	10, 747, 879	5, 217, 828	4, 413, 631	41. 3	−20. 6	77. 9	143. 5	18. 2	106. 0	47
825, 059	3, 565, 193	1, 786, 173	3, 168, 909	−13. 8	−74. 0	231. 0	12. 5	−43. 6	99. 6	48
3, 942, 102	13, 146, 301	6, 398, 056	11, 704, 089	−42. 1	−66. 3	72. 0	12. 3	−45. 3	105. 5	49
17, 529, 986	21, 841, 202	10, 323, 959	15, 006, 734	92. 5	16. 8	64. 8	45. 5	−31. 2	111. 6	50
10, 825, 326	10, 633, 956	5, 446, 829	6, 989, 191	251. 8	54. 9	127. 1	52. 1	−22. 1	95. 2	51
258, 969	853, 928	400, 272	574, 577	−39. 2	−54. 9	34. 9	48. 6	−30. 3	113. 3	52

---

[4] Less than one-half of 1 per cent.

[5] Figures for 1919 and 1909, include estimates for incomplete reports.

[6] Includes estimates.

TABLE 29.—COMPARATIVE STATEMENT SHOWING AVERAGE VALUE AND TOTAL COMPUTED ON THE BASIS OF 1909 PRICES, TOGETHER WITH PERCENTAGES OF 1929, 1919, AND 1909—Continued

[A minus sign (−)

	STATE AND PRODUCT	Unit	AVERAGE VALUE PER UNIT						VALUE OF PRODUCTS
			1929	1919	1909	Per cent increase[1]			As reported, 1929
						1919 to 1929	1909 to 1929	1909 to 1919	
	MAINE		*Dolls.*	*Dolls.*	*Dolls.*				*Dollars*
1	**Principal crops [2]**	--------	-------	-------	-------	-------	-------	-------	71,289,034
2	Potatoes, (Irish or white)	Bu	1.18	2.05	0.36	−42.4	230.0	472.5	56,046,960
3	Tobacco	Lb	-------	0.32	0.20	-------	-------	60.0	-------
4	All hay crops (including wild, salt, or prairie grasses.) [2]	Ton	-------	-------	-------	-------	-------	-------	9,346,437
5	Timothy and (or) timothy and clover mixed.	Ton	10.78	24.47	14.61	−56.0	−26.2	67.5	6,715,529
6	Other tame grasses	Ton	9.86	20.90	14.09	−52.8	−30.0	48.4	2,217,221
7	Alfalfa	Ton	14.00	30.00	13.30	−53.3	5.3	125.5	127,890
8	Clover alone	Ton	11.22	22.00	13.45	−49.0	−16.6	63.5	181,556
9	Small grains and annual legumes saved for hay.	Ton	10.00	20.49	11.08	−51.2	−9.8	84.9	76,780
10	Oats threshed	Bu	0.69	1.05	0.54	−34.3	27.3	93.7	2,721,222
11	Corn harvested for grain	Bu	1.08	1.75	0.67	−38.3	61.2	161.2	68,491
12	Navy and other ripe field beans	Bu	5.15	6.10	3.14	−15.5	63.9	94.0	451,084
13	Apples harvested	Bu	1.04	1.30	0.58	−19.9	78.5	122.8	2,263,054
14	Peaches harvested	Bu	1.90	2.40	1.59	−20.8	19.5	50.8	3,473
15	Strawberries	Qt	0.22	0.25	0.10	−13.1	109.3	140.8	247,181
16	Cranberries	Qt	0.12	0.14	0.08	−13.1	53.1	76.3	415
17	Raspberries and loganberries	Qt	0.30	0.28	0.13	7.4	124.3	108.9	83,367
18	Maple sirup	Gal	2.34	3.00	1.13	−22.0	107.0	165.4	84,811
19	**Principal livestock products**	--------	-------	-------	-------	-------	-------	-------	24,218,983
20	Whole milk sold	Gal	0.25	0.32	0.20	−19.3	29.1	59.9	7,134,849
21	Cream sold as butterfat	Lb	0.54	0.61	0.31	−10.8	74.7	95.7	1,713,497
22	Cream sold *not* as butterfat	Gal	2.19	1.29	0.68	69.3	223.0	90.8	971,926
23	Butter churned	Lb	0.49	0.59	0.28	−15.8	70.9	103.0	3,984,682
24	Chicken eggs produced [5]	Doz	0.42	0.55	0.25	−23.1	66.9	117.0	5,811,384
25	Chickens raised [5]	Each	1.37	1.22	0.55	12.1	147.4	120.7	4,429,176
26	Wool shorn (unwashed) [5]	Lb	0.39	0.62	0.28	−37.2	38.7	120.8	173,469
	NEW HAMPSHIRE								
27	**Principal crops [2]**	--------	-------	-------	-------	-------	-------	-------	7,850,891
28	Potatoes (Irish or white)	Bu	1.63	2.20	0.51	−26.0	218.8	331.1	1,676,535
29	Tobacco	Lb	0.55	0.30	0.13	83.3	309.0	123.2	75,036
30	All hay crops (including wild, salt, or prairie grasses.)	Ton	-------	-------	-------	-------	-------	-------	4,461,389
31	Timothy and (or) timothy and clover mixed.	Ton	12.94	27.64	16.42	−53.2	−21.2	68.3	2,989,454
32	Other tame grasses	Ton	10.80	23.00	14.89	−53.0	−27.5	54.5	1,196,489
33	Alfalfa	Ton	20.12	34.50	14.30	−41.7	40.7	141.3	105,812
34	Clover alone	Ton	12.52	27.00	14.95	−54.4	−17.6	80.7	58,384
35	Small grains and annual legumes saved for hay.	Ton	11.00	22.13	11.19	−50.3	−1.7	97.8	88,000
36	Oats threshed	Bu	0.64	1.00	0.56	−35.7	14.6	78.1	81,128
37	Corn harvested for grain	Bu	1.04	1.75	0.68	−40.8	52.9	158.1	116,103
38	Navy and other ripe field beans	Bu	5.70	6.20	2.78	−8.1	104.7	122.6	36,687
39	Apples harvested	Bu	1.31	1.65	0.58	−20.5	128.0	186.7	1,038,009
40	Peaches harvested	Bu	1.98	2.35	1.63	−15.8	21.3	44.0	29,885
41	Strawberries	Qt	0.22	0.24	0.11	−7.1	107.5	123.4	132,656
42	Cranberries	Qt	0.12	0.13	0.09	−6.1	37.4	46.4	452
43	Raspberries and loganberries	Qt	0.31	0.29	0.14	7.6	128.5	112.3	32,494
44	Maple sirup	Gal	2.41	2.85	1.06	−15.4	126.6	167.8	193,767
45	**Principal livestock products.**	--------	-------	-------	-------	-------	-------	-------	17,362,592
46	Whole milk sold	Gal	0.27	0.32	0.17	−17.1	55.5	87.5	7,818,216
47	Cream sold as butterfat	Lb	0.54	0.58	0.30	−6.6	82.0	94.7	231,004
48	Cream sold *not* as butterfat	Gal	2.60	1.54	0.72	68.5	261.9	114.8	415,702
49	Butter churned	Lb	0.50	0.61	0.30	−17.2	69.3	104.5	892,471
50	Chicken eggs produced [5]	Doz	0.46	0.57	0.27	−20.1	67.4	109.4	3,889,559
51	Chickens raised [5]	Each	1.52	1.27	0.62	19.9	144.1	103.6	4,080,137
52	Wool shorn (unwashed) [5]	Lb	0.38	0.59	0.27	−36.4	36.8	115.1	35,503

---

[1] Per cent increase (or decrease) is computed from average values carried to 5 decimal places.

[2] Value of wild, salt, or prairie grasses is included with that of "all hay crops"; *but is not included in the total for "Principal crops."*

Value of Principal Crops and Livestock Products as Reported, also When Increase in Value, for the United States and the New England States:

denotes decrease]

VALUE OF PRODUCTS—continued				INCREASE IN VALUE OF PRODUCTS 1909 TO 1929 (PER CENT)			INCREASE IN VALUE OF PRODUCTS 1909 TO 1919 (PER CENT)			
Computed for 1929 on basis of 1909 prices	As reported, 1919	Computed for 1919 on basis of 1909 prices	As reported, 1909	Gross increase	Increase partly due to change in production	Increase due to change in price	Gross increase	Increase partly due to change in production	Increase due to change in price	
Dollars	*Dollars*	*Dollars*	*Dollars*							
33,601,164	91,854,843	31,665,287	30,111,470	136.8	11.6	112.2	205.0	5.2	190.1	1
16,986,458	52,339,514	9,141,543	10,224,714	448.2	66.1	230.0	411.9	−10.6	472 5	2
------------	224	140	10	−100.0	−100.0	--------	(4)	(4)	60.0	3
12,727,450	28,321,975	17,304,911	14,703,218	−36.4	−13.4	−26.6	92.6	17.7	63.7	4
9,102,222	21,892,451	13,069,127	10,270,489	−34.6	−11.4	−26.2	113.2	27.2	67.5	5
3,166,157	5,402,782	3,641,336	3,881,975	−42.9	−18.4	−30.0	39.2	−6.2	48.4	6
121,504	28,320	12,556	2,873	(4)	(4)	5.3	885.7	337.0	125.5	7
217,713	268,862	164,422	77,401	134.6	181.3	−16.6	247.4	112.4	63.5	8
85,086	559,375	302,556	277,699	−72.4	−69.4	−9.8	101.4	9.0	84.9	9
2,137,023	3,780,648	1,951,570	2,293,947	18.6	−6.8	27.3	64.8	−14.9	93.7	10
42,482	504,495	193,178	434,834	−84.2	−90.2	61.2	16.0	−55.6	161.2	11
275,296	358,661	184,878	275,334	63.8	(5)	63.9	30.3	−32.9	94.0	12
1,267,841	6,278,151	2,818,068	2,121,816	6.7	40.2	78.5	195.9	32.8	122 8	13
2,907	5,225	3,464	3,205	8.4	−9.3	19.5	63.0	8.1	50.8	14
118,075	223,438	92,797	168,847	46.4	−30.1	109.3	32.3	−45.0	140 8	15
271	8,072	4,578	7,957	94.8	−96.6	53.1	1.4	−42.5	76.3	16
37,164	78,193	37,428	20,657	303.6	79.9	124.3	278.5	81.2	108.9	17
40,965	126,432	47,646	49,712	70.6	−17.6	107.0	154.3	−4.2	165.4	18
14,536,567	25,980,410	13,754,107	13,509,106	79.3	7.6	66.6	92.3	1.8	88.9	19
5,527,231	8,881,006	5,553,011	2,518,384	183.3	119.5	29.1	252.6	120.5	59.9	20
981,041	1,639,385	837,587	1,257,017	36.3	−22.0	74.7	30.4	−33.4	95 7	21
300,907	959,335	502,825	499,365	94.6	−39.7	223.0	92.1	0.7	90 8	22
2,330,929	6,272,232	3,090,361	3,786,054	5.2	−38.4	70.9	65.7	−18.4	103 0	23
3,481,102	5,487,542	2,528,260	3,769,581	54.2	−7.7	66.9	45.6	−32.9	117.0	24
1,790,326	2,328,329	1,055,210	1,412,625	213.5	26.7	147.4	64.8	−25.3	120.7	25
125,031	412,581	186,853	266,080	−34.8	−53.0	38.7	55.1	−29.8	120.8	26
7,031,673	19,484,304	9,780,182	10,132,762	−22.5	−30.6	11.7	92.3	−3.5	99.2	27
525,858	[3] 2,952,351	684,919	1,204,626	39.2	−56.3	218.8	145.1	−43.1	331.1	28
18,347	40,554	18,173	18,404	307.7	(4)	309.0	120.4	−1.3	123.2	29
5,710,184	12,388,144	7,486,638	7,311,629	−39.0	−21.9	−21.9	69.4	2.4	65.5	30
3,793,616	8,344,455	4,958,130	4,705,915	36.5	−19.4	−21.2	73.3	5.4	68.3	31
1,649,708	3,260,342	2,110,850	2,097,716	−43.0	−21.4	−27.5	55.4	0.6	64.5	32
75,198	24,394	10,109	1,387	(4)	(4)	40.7	(4)	628.8	114.3	33
70,827	100,413	55,583	49,201	18.7	44.0	−17.6	104.1	13.0	80 7	34
89,510	496,444	250,964	276,900	−68.2	−67.7	−1.7	79.3	−9.4	97.8	35
70,784	485,367	272,490	216,938	−62.6	−67.4	14.6	123.7	25.6	78.1	36
75,930	844,793	327,340	621,306	−81.3	−87.8	52.9	36.0	−47.3	158.1	37
17,922	114,626	51,483	62,783	−41.6	−71.5	104.7	82.6	−18.0	122 6	38
455,345	2,250,602	785,092	637,990	62.7	−28.6	128.0	252.8	23.1	186.7	39
24,632	91,695	63,666	37,884	−21.1	−35.0	21.3	142.0	68.1	44 0	40
63,918	117,545	52,621	68,552	93.5	−6.8	107.5	71.5	−23 2	123.4	41
329	1,158	791	2,686	−83.2	−87.8	37.4	−56.9	−70.6	46 4	42
14,222	38,016	17,910	11,821	174.9	20.3	128.5	221.6	51.5	112.3	43
85,527	321,549	120,061	118,653	63.3	−27.9	126.6	171.0	1.2	167.8	44
9,817,543	14,521,151	7,396,564	8,505,843	104.1	15.4	76.9	70.7	13.0	96.3	45
5,027,843	7,389,956	3,940,397	3,613,676	116.4	39.1	55.5	104.5	9.0	87.5	46
126,944	438,807	225,343	168,159	37.4	−24.5	82.0	160.9	34.0	94.7	47
114,881	408,456	190,146	273,714	51.9	−58.0	261.9	49.2	−30.5	114.8	48
527,082	1,975,330	965,824	1,509,706	−40.9	−65.1	69.3	30.8	−36.0	104.5	49
2,323,582	2,853,022	1,362,393	2,033,121	91.3	14.3	67.4	40.2	−33.0	109.4	50
1,671,257	1,360,188	668,120	850,007	380.0	96.6	144.1	60.0	−21.4	103.6	51
25,954	95,392	44,341	57,460	−38.2	−54.8	36.8	66.0	−22.8	115.1	52

[3] Does not include potatoes (Irish or white) grown in farm gardens.

[4] Less than one-half of 1 per cent.

[5] Figures for 1919 and 1909 include estimates for incomplete reports.

TABLE 29.—COMPARATIVE STATEMENT SHOWING AVERAGE VALUE AND TOTAL
COMPUTED ON THE BASIS OF 1909 PRICES, TOGETHER WITH PERCENTAGES OF
1929, 1919, AND 1909—Continued

[A minus sign (—)

	STATE AND PRODUCT	Unit	AVERAGE VALUE PER UNIT						VALUE OF PRODUCTS
			1929	1919	1909	Per cent increase [1]			As reported, 1929
						1919 to 1929	1909 to 1929	1909 to 1919	
	VERMONT		Dolls.	Dolls.	Dolls.				Dollars
1	Principal crops [2]	-------	-------	-------	-------	-------	-------	-------	19, 738, 968
2	Potatoes (Irish or white)	Bu	1. 46	2. 20	0. 42	−33. 7	246. 9	423. 2	2, 519, 990
3	Tobacco	Lb	0. 33	0. 35	0. 11	−5. 7	212. 0	231. 0	76, 912
4	All hay crops (including wild, salt, or prairie grasses).[2]	Ton	-------	-------	-------	-------	-------	-------	12, 624, 675
5	Timothy and (or) timothy and clover mixed.	Ton	11. 18	22. 07	14. 19	−49. 4	−21. 2	55. 5	9, 884, 211
6	Other tame grasses	Ton	10. 20	17. 00	12. 11	−40. 0	−15. 8	40. 3	1, 759, 406
7	Alfalfa	Ton	13. 94	23. 00	15. 82	−39. 4	−11. 9	45. 4	190, 583
8	Clover alone	Ton	12. 29	21. 50	13. 47	−42. 8	−8. 8	59. 6	310, 464
9	Small grains and annual legumes saved for hay.	Ton	11. 00	17. 42	10. 49	−36. 9	4. 9	66. 1	446, 501
10	Oats threshed	Bu	0. 63	1. 00	0. 55	−37. 1	15. 2	83. 1	635, 716
11	Corn harvested for grain	Bu	1. 04	1. 80	0. 64	−42. 1	62. 2	180. 1	270, 230
12	Navy and other ripe field beans	Bu	5. 21	5. 70	2. 76	−8. 6	88. 5	106. 2	106, 362
13	Apples harvested	Bu	1. 39	1. 80	0. 52	−22. 9	169. 2	249. 2	1, 353, 016
14	Peaches harvested	Bu	1. 80	2. 50	1. 98	−28. 0	−9. 1	26. 4	4, 318
15	Strawberries	Qt	0. 24	0. 25	0. 11	−4. 2	114. 8	124. 1	139, 079
16	Cranberries	Qt	0. 12	0. 13	0. 10	−6. 8	24. 4	33. 1	102
17	Raspberries and loganberries	Qt	0. 28	0. 28	0. 12	0. 6	126. 1	124. 8	64, 398
18	Maple sirup	Gal	1. 98	2. 50	0. 89	−20. 8	121. 6	180. 0	1, 977, 680
19	Principal livestock products.	-------	-------	-------	-------	-------	-------	-------	34, 040, 486
20	Whole milk sold	Gal	0. 24	0. 28	0. 12	−16. 0	95. 9	133. 1	23, 817, 128
21	Cream sold as butterfat	Lb	0. 53	0. 61	0. 29	−14. 3	80. 4	110. 4	4, 081, 540
22	Cream sold *not* as butterfat	Gal	2. 39	1. 36	0. 65	75. 6	266. 0	108. 4	366, 965
23	Butter churned	Lb	0. 52	0. 59	0. 28	−13. 1	86. 9	115. 2	1, 143, 962
24	Chicken eggs produced [5]	Doz	0. 40	0. 53	0. 24	−23. 6	66. 4	117. 9	2, 704, 261
25	Chickens raised [5]	Each	1. 33	1. 28	0. 56	3. 6	135. 8	127. 7	1, 826, 467
26	Wool shorn (unwashed) [5]	Lb	0. 38	0. 60	0. 31	−36. 7	23. 8	95. 5	100, 163
	MASSACHUSETTS								
27	Principal crops [2]	-------	-------	-------	-------	-------	-------	-------	20, 145, 566
28	Potatoes (Irish or white)	Bu	1. 78	2. 45	0. 68	−27. 2	163. 6	262. 0	1, 770, 470
29	Tobacco	Lb	0. 40	0. 33	0. 13	22. 7	217. 4	158. 7	4, 701, 028
30	All hay crops (including wild, salt, or prairie grasses).[2]	Ton	-------	-------	-------	-------	-------	-------	6, 679, 892
31	Timothy and (or) timothy and clover mixed.	Ton	17. 27	33. 01	17. 86	−47. 7	−3. 3	84. 8	5, 092, 519
32	Other tame grasses	Ton	11. 83	29. 00	14. 60	−59. 2	−18. 9	98. 7	1, 101, 315
33	Alfalfa	Ton	20. 35	36. 00	15. 60	−43. 5	30. 4	130. 7	188, 644
34	Clover alone	Ton	17. 11	29. 50	16. 42	−42. 0	4. 2	79. 6	131, 549
35	Small grains and annual legumes saved for hay.	Ton	12. 14	25. 47	8. 96	−52. 3	35. 5	184. 4	109, 249
36	Oats threshed	Bu	0. 68	1. 05	0. 59	−35. 2	16. 0	79. 1	26, 998
37	Corn harvested for grain	Bu	1. 11	1. 90	0. 68	−41. 6	64. 0	181. 0	387, 430
38	Navy and other ripe field beans	Bu	5. 70	5. 45	2. 49	4. 6	129. 2	119. 2	11, 429
39	Apples harvested	Bu	1. 30	1. 90	0. 70	−31. 4	86. 8	172. 2	2, 894, 328
40	Peaches harvested	Bu	2. 07	2. 50	1. 51	−17. 2	36. 9	65. 4	245, 331
41	Strawberries	Qt	0. 16	0. 25	0. 09	−37. 0	75. 4	178. 5	628, 615
42	Cranberries	Qt	0. 12	0. 08	0. 05	52. 5	160. 9	71. 1	2, 686, 522
43	Raspberries and loganberries	Qt	0. 35	0. 34	0. 15	2. 0	153. 8	129. 1	79, 248
44	Maple sirup	Gal	2. 29	2. 90	1. 04	−21. 0	120. 0	178. 5	90, 891
45	Principal livestock products.	-------	-------	-------	-------	-------	-------	-------	40, 436, 553
46	Whole milk sold	Gal	0. 31	0. 41	0. 21	−25. 1	48. 1	97. 7	22, 412, 845
47	Cream sold as butterfat	Lb	0. 50	0. 61	0. 32	−17. 6	56. 7	90. 3	155, 563
48	Cream sold *not* as butterfat	Gal	2. 75	1. 52	0. 95	80. 7	189. 8	60. 4	525, 762
49	Butter churned	Lb	0. 51	0. 62	0. 31	−19. 3	62. 9	101. 8	412, 364
50	Chicken eggs produced [5]	Doz	0. 49	0. 63	0. 30	−22. 2	62. 5	108. 8	8, 874, 045
51	Chickens raised [5]	Each	1. 58	1. 23	0. 74	28. 4	112. 4	65. 4	8, 035, 006
52	Wool shorn (unwashed) [5]	Lb	0. 39	0. 63	0. 26	−37. 7	49. 2	139. 3	20, 968

[1] Per cent increase (or decrease) is computed from average values carried to 5 decimal places.

[2] Value of wild, salt, or priairie grasses is included with that of "all hay crops"; *but is not included in the total for "Principal crops."*

Value of Principal Crops and Livestock Products as Reported, also When Increase in Value, for the United States and the New England States;

denotes decrease)

Value of products—continued				Increase in value of products 1909 to 1929 (per cent)			Increase in value of products 1909 to 1919 (per cent)			
Computed for 1929 on basis of 1909 prices	As reported, 1919	Computed for 1919 on basis of 1909 prices	As reported, 1909	Gross increase	Increase partly due to change in production	Increase due to change in price	Gross increase	Increase partly due to change in production	Increase due to change in price	
Dollars	*Dollars*	*Dollars*	*Dollars*							
18,641,447	**38,414,094**	**20,714,566**	**19,475,572**	**1.4**	**−4.3**	**5.9**	**97.2**	**6.4**	**85.4**	1
726,405	[3] 5,010,252	957,527	1,743,049	44.6	−58.3	246.9	187.4	45.1	423.2	2
24,649	42,074	12,713	17,416	341.6	41.5	212.0	141.6	27.0	231.0	3
15,669,864	25,714,465	16,701,977	14,293,538	−11.7	9.6	−19.4	79.9	16.8	54.0	4
12,550,840	22,187,946	14,267,277	11,467,681	−13.8	9.4	−21.2	93.5	24.4	55.5	5
2,089,423	2,458,931	1,752,094	2,103,838	16.4	−0.7	−15.8	16.9	−16.7	40.3	6
216,331	90,022	61,917	8,147	(4)	(4)	−11.9	(4)	660.0	45.4	7
340,324	214,100	134,147	89,449	247.1	280.5	−8.8	139.4	50.0	59.6	8
425,793	599,137	360,756	499,536	−10.6	−14.8	4.9	19.9	−27.8	66.1	9
551,841	2,396,349	1,308,454	1,169,223	−45.6	−52.8	15.2	105.0	11.9	83.1	10
166,556	1,687,275	602,404	1,102,222	−75.5	−84.0	62.2	53.1	−45.3	180.1	11
56,426	260,468	126,333	72,873	46.0	−22.6	88.5	257.4	73.4	106.2	12
502,532	1,728,454	494,923	752,337	79.8	−33.2	169.2	129.7	−34.2	249.2	13
4,750	2,262	1,790	4,399	−1.8	8.0	−9.1	−48.6	−59.3	26.4	14
64,760	107,086	47,776	68,690	102.5	−5.7	114.8	55.9	−30.4	124.1	15
82	205	154	110	−7.3	−25.5	24.4	86.4	40.0	33.1	16
28,480	49,720	22,119	10,596	507.8	168.8	126.1	369.2	108.7	124.8	17
892,255	1,579,813	564,182	366,006	440.3	143.8	121.6	331.6	54.1	180.0	18
17,615,675	**31,469,899**	**14,134,439**	**14,691,989**	**131.7**	**19.9**	**93.2**	**114.2**	**−3.8**	**122.6**	19
12,160,868	15,581,083	6,684,242	4,108,228	479.7	196.0	95.9	277.3	62.7	133.1	20
2,262,119	8,032,796	3,817,368	2,264,928	802.2	(4)	80.4	254.7	68.5	110.4	21
100,269	1,264,889	606,823	1,537,698	−76.1	−93.5	266.0	−17.7	−60.5	108.4	22
612,151	2,301,863	1,069,869	4,185,028	−72.7	−85.4	86.9	−45.0	−74.4	115.2	23
1,624,849	2,738,345	1,256,797	1,703,214	58.8	−4.6	66.4	60.8	−26.2	117.9	24
774,536	1,300,150	571,091	700,891	160.6	10.5	135.8	85.5	−18.5	127.7	25
80,883	250,773	128,249	192,002	−47.8	−57.9	23.8	30.6	−33.2	95.5	26
12,586,570	**38,820,335**	**17,045,940**	**18,429,072**	**9.3**	**−31.7**	**60.1**	**110.6**	**−7.5**	**127.7**	27
671,551	[3] 4,619,855	1,276,174	1,993,923	−11.2	−66.3	163.6	131.7	−36.0	262.0	28
1,480,982	4,713,255	1,821,744	1,218,060	285.9	21.6	217.4	286.9	49.6	158.7	29
7,049,019	16,942,627	8,822,206	10,343,734	−35.4	−31.9	−5.2	63.8	−14.7	92.0	30
5,267,589	11,032,723	5,969,242	7,197,094	29.2	−26.8	−3.3	53.3	−17.1	84.8	31
1,358,739	4,547,577	2,289,206	2,423,306	−54.6	43.9	−18.9	87.7	−5.5	98.7	32
144,657	93,744	40,626	6,147	(4)	(4)	30.4	(4)	560.9	130.7	33
126,281	161,162	89,722	51,652	154.7	144.5	4.2	212.0	73.7	79.6	34
80,621	874,114	307,403	409,295	−73.3	−80.3	35.5	113.6	−24.9	184.4	35
23,272	302,276	168,741	157,381	−82.8	−85.2	16.0	92.1	7.2	79.1	36
236,235	2,880,274	1,024,983	1,372,144	−71.8	−82.8	64.0	109.9	−25.3	181.0	37
4,986	58,244	26,577	12,382	−7.7	−59.7	127.2	370.4	114.6	119.2	38
1,549,235	6,055,701	2,224,928	1,780,290	62.6	13.0	86.8	240.2	25.0	172.2	39
179,235	532,851	322,221	138,716	76.9	−29.2	36.9	284.1	132.3	65.4	40
358,293	787,844	282,899	495,438	26.9	−27.7	75.4	59.0	−42.9	178.5	41
1,029,686	1,833,448	1,071,650	1,062,205	152.9	−3.1	160.9	72.6	0.9	71.1	42
33,894	159,211	69,482	55,757	42.1	−39.2	133.8	185.5	24.6	129.1	43
41,314	168,056	60,342	55,282	64.4	25.3	120.0	204.0	9.2	178.5	44
24,920,196	**33,801,486**	**17,267,521**	**21,699,326**	**86.3**	**14.8**	**62.3**	**55.8**	**−20.4**	**95.8**	45
15,128,445	22,698,929	11,479,455	13,297,634	68.5	13.8	48.1	70.7	−13.7	97.7	46
99,248	308,826	162,263	367,523	−57.7	−73.0	56.7	−16.0	−55.8	90.3	47
181,437	472,840	294,778	475,824	10.5	−61.9	189.8	−0.6	−38.0	60.4	48
253,151	1,261,218	625,053	1,041,482	−60.4	−75.7	62.9	21.1	−40.0	101.8	49
5,461,290	6,050,693	2,897,513	4,211,958	110.7	29.7	62.5	43.7	−31.2	108.8	50
3,782,568	2,953,314	1,785,198	2,271,235	−253.8	66.5	112.4	30.0	−21.4	65.4	51
14,057	55,666	23,261	33,670	−37.7	−58.3	49.2	65.3	−30.9	139.3	52

[3] Does not include potatoes (Irish or white) grown in farm gardens.
[4] Less than one-half of 1 per cent.
[5] The figures for 1919 and 1909 include estimates for incomplete reports.

TABLE 29.—COMPARATIVE STATEMENT SHOWING AVERAGE VALUE AND TOTAL COMPUTED ON THE BASIS OF 1909 PRICES, TOGETHER WITH PERCENTAGES OF 1929, 1919, AND 1909—Continued

[A minus sign (—)

	STATE AND PRODUCT	Unit	AVERAGE VALUE PER UNIT						VALUE OF PRODUCTS
			1929	1919	1909	Per cent increase [1] 1919 to 1929	1909 to 1929	1909 to 1919	As reported, 1929
	RHODE ISLAND		*Dolls.*	*Dolls.*	*Dolls.*				*Dollars*
1	**Principal crops** [2]	--------	-------	-------	-------	-------	-------	-------	1,854,343
2	Potatoes (Irish or white)	Bu	1.80	2.30	0.74	−21.7	143.6	211.2	426,700
3	Tobacco	Lb	0.33	0.30	0.32	10.5	2.7	−6.3	116
4	All hay crops (including wild, salt, or prairie grasses).[2]	Ton	-------	-------	-------	-------	-------	-------	822,552
5	Timothy and (or) timothy and clover mixed.	Ton	21.00	36.23	18.34	−42.0	14.5	97.5	615,783
6	Other tame grasses	Ton	13.00	31.00	16.54	−58.1	−21.4	87.5	123,019
7	Alfalfa	Ton	33.00	40.00	16.54	−17.5	99.5	141.8	30,063
8	Clover alone	Ton	20.16	35.50	16.22	−43.2	24.3	118.8	26,229
9	Small grains and annual legumes saved for hay.	Ton	12.37	27.55	12.20	−55.1	1.4	125.8	24,512
10	Oats threshed	Bu	0.74	1.10	0.59	−32.5	24.8	85.0	7,848
11	Corn harvested for grain	Bu	1.20	1.95	0.84	−38.5	42.4	131.3	91,755
12	Navy and other ripe field beans	Bu	5.60	7.00	2.55	−20.0	119.4	174.5	2,010
13	Apples harvested	Bu	1.50	2.00	0.69	−25.0	117.1	189.4	392,858
14	Peaches harvested	Bu	2.30	2.70	1.73	−14.8	32.9	56.2	60,235
15	Strawberries	Qt	0.20	0.25	0.10	−19.8	106.4	157.4	45,358
16	Cranberries	Qt	0.12	0.11	0.07	10.9	54.7	39.6	1,281
17	Raspberries and loganberries	Qt	0.36	0.32	0.13	12.6	181.9	150.4	6,557
18	Maple sirup	Gal	2.38	2.51	1.08	−5.2	111.1	133.7	19
19	**Principal livestock products.**	--------	-------	-------	-------	-------	-------	-------	6,755,627
20	Whole milk sold	Gal	0.33	0.39	0.22	−16.2	52.5	82.0	4,462,193
21	Cream sold as butterfat	Lb	0.50	0.67	0.30	−25.9	64.8	122.4	4,798
22	Cream sold *not* as butterfat	Gal	2.89	1.45	1.32	98.8	118.4	9.8	67,232
23	Butter churned	Lb	0.49	0.61	0.31	−19.4	59.0	97.3	25,925
24	Chicken eggs produced [5]	Doz	0.49	0.59	0.29	−16.4	68.7	101.6	1,218,390
25	Chickens raised [5]	Each	1.60	1.43	0.79	11.9	102.1	80.6	973,567
26	Wool shorn (unwashed)[5]	Lb	0.38	0.62	0.28	−38.7	33.5	117.8	3,522
	CONNECTICUT								
27	**Principal crops** [2]	--------	-------	-------	-------	-------	-------	-------	22,696,046
28	Potatoes (Irish or white)	Bu	1.79	2.45	0.70	−27.1	154.8	249.4	2,023,301
29	Tobacco	Lb	0.48	0.36	0.16	34.5	208.2	129.2	12,698,761
30	All hay crops (including wild, salt, or prairie grasses).[2]	Ton	-------	-------	15.44	-------	-------	-------	5,495,546
31	Timothy and (or) timothy and clover mixed.	Ton	18.82	33.67	16.66	−44.1	12.9	102.1	3,334,405
32	Other tame grasses	Ton	12.79	29.00	14.69	−55.9	−12.9	97.4	1,412,375
33	Alfalfa	Ton	28.02	34.50	17.16	−18.8	63.3	101.1	399,142
34	Clover alone	Ton	19.00	30.50	14.89	−37.7	27.6	104.9	200,947
35	Small grains and annual legumes saved for hay.	Ton	12.22	22.32	11.45	−45.3	6.7	95.0	104,256
36	Oats threshed	Bu	0.70	1.05	0.59	−32.9	19.6	78.4	27,013
37	Corn harvested for grain	Bu	1.10	1.85	0.67	−40.5	64.3	176.4	634,071
38	Navy and other ripe field beans	Bu	5.40	6.50	2.48	−16.9	118.1	162.5	3,003
39	Apples harvested	Bu	1.60	1.85	0.54	−13.6	195.6	242.2	1,204,146
40	Peaches harvested	Bu	1.99	2.50	1.55	−20.5	28.6	61.6	278,429
41	Strawberries	Qt	0.21	0.24	0.08	−14.5	162.7	207.2	328,013
42	Cranberries	Qt	0.12	0.14	0.07	−12.8	85.7	113.0	3,639
43	Raspberries and loganberries	Qt	0.29	0.27	0.12	8.8	141.7	122.0	41,405
44	Maple sirup	Gal	2.23	2.90	1.15	−23.3	94.2	153.1	3,140
45	**Principal livestock products.**	--------	-------	-------	-------	-------	-------	-------	30,222,246
46	Whole milk sold	Gal	0.32	0.35	0.17	−7.7	86.1	101.6	17,815,639
47	Cream sold as butterfat	Lb	0.50	0.62	0.33	−19.4	50.0	86.2	48,927
48	Cream sold *not* as butterfat	Gal	2.85	1.98	0.72	44.5	295.8	173.8	383,039
49	Butter churned	Lb	0.49	0.64	0.31	−23.3	59.1	107.3	322,108
50	Chicken eggs produced [5]	Doz	0.47	0.60	0.29	−21.5	63.2	108.0	6,392,411
51	Chickens raised [5]	Each	1.49	1.34	0.66	11.5	125.6	102.4	5,244,611
52	Wool shorn (unwashed)[5]	Lb	0.39	0.59	0.26	−33.9	50.0	126.9	15,611

[1] Per cent increase (or decrease) is computed from average values carried to 5 decimal places.

[2] Value of wild, salt, or prairie grasses is included with that of "All hay crops"; *but is not included in the total for "Principal crops."*

Value of Principal Crops and Livestock Products as Reported, also When Increase in Value, for the United States and the New England States:

denotes decrease]

VALUE OF PRODUCTS—continued				INCREASE IN VALUE OF 1929 (PER CENT) TO 1929 (PER CENT)			INCREASE IN VALUE OF PRODUCTS 1909 TO 1919 (PER CENT)			
Computed for 1929 on basis of 1909 prices	As reported, 1919	Computed for 1919 on basis of 1909 prices	As reported, 1909	Gross increase	Increase partly due to change in production	Increase due to change in price	Gross increase	Increase partly due to change in production	Increase due to change in price	
Dollars	*Dollars*	*Dollars*	*Dollars*							
1,253,074	3,968,374	1,740,021	2,236,905	−17.1	−44.0	48.0	77.4	−22.2	128.1	1
175,184	[3] 674,100	216,591	408,429	4.5	−57.1	143.6	65.0	−47.0	211.2	2
113	90	96	164	−29.3	−31.1	2.7	−45.1	−41.5	−6.3	3
758,216	1,851,027	935,168	1,258,357	−34.6	−39.7	8.5	47.1	−25.7	97.9	4
537,816	1,252,368	634,052	920,430	−33.1	−41.6	14.5	36.1	−31.1	97.5	5
156,492	394,537	210,470	262,513	−53.1	−40.4	−21.4	50.3	−19.8	87.5	6
15,067	12,160	5,028	1,290	(4)	(4)	99.5	842.6	289.8	141.8	7
21,107	18,674	8,534	4,786	448.0	341.0	24.3	290.2	78.3	118.8	8
24,183	158,568	70,218	56,528	−56.6	−57.2	1.4	180.5	24.2	125.8	9
6,287	37,958	20,514	28,661	−72.6	−78.1	24.8	32.4	−28.4	85.0	10
64,449	606,256	262,052	335,629	−72.7	−80.8	42.4	80.6	−21.9	131.3	11
916	6,041	2,201	2,084	−3.6	−56.0	119.4	189.9	5.6	174.5	12
180,984	668,616	231,017	147,125	167.0	23.0	117.1	354.5	57.0	189.4	13
45,336	77,682	49,743	30,609	96.8	48.1	32.9	153.8	62.5	56.2	14
21,977	29,162	11,329	31,712	43.0	−30.7	106.4	−8.0	−64.3	157.4	15
828	16,784	12,027	2,734	−53.1	−69.7	54.7	513.9	339.9	39.6	16
2,326	15,135	6,045	4,197	56.2	−44.6	181.9	260.6	44.0	150.4	17
9	243	104	14	35.7	−35.7	111.1	(4)	642.9	133.7	18
4,182,749	5,362,387	2,910,237	3,360,823	101.0	24.5	61.5	59.6	−13.4	84.3	19
2,925,982	3,667,306	2,015,359	1,903,546	134.4	53.7	52.5	92.7	5.9	82.0	20
2,912	10,471	4,709	1,622	195.8	79.5	64.8	545.6	190.3	122.4	21
30,790	43,522	39,630	55,997	20.1	−45.1	118.4	−22.3	29.2	9.8	22
16,302	105,834	53,644	104,161	−75.1	−84.3	59.0	1.6	−48.5	97.3	23
722,343	906,746	449,685	837,496	45.5	−13.7	68.7	8.3	−46.3	101.6	24
481,782	620,145	343,370	451,166	115.8	6.8	102.1	37.5	−23.9	80.6	25
2,638	8,363	3,840	6,835	48.5	−61.4	33.5	22.4	−43.8	117.8	26
11,166,623	37,066,009	15,804,291	16,238,108	39.8	−31.2	103.2	128.3	−2.7	134.5	27
794,149	[3] 3,362,500	962,306	1,882,197	7.5	−57.8	154.8	78.6	48.9	249.4	28
4,119,815	15,189,551	6,628,129	4,415,948	187.6	−6.7	208.2	244.0	50.1	129.2	29
5,126,990	11,091,627	5,557,276	6,672,080	−17.6	−23.2	7.2	66.2	−16.7	99.6	30
2,952,265	5,861,800	2,900,726	3,832,159	−13.0	−23.0	12.9	53.0	−24.3	102.1	31
1,621,490	4,261,347	2,158,212	2,406,899	−41.3	−32.6	−12.9	77.0	−10.3	97.4	32
244,411	86,942	43,243	12,544	(4)	(4)	63.3	593.1	244.7	101.1	33
157,430	157,078	76,675	38,144	426.8	372.7	27.6	311.8	101.0	104.9	34
97,689	547,597	280,886	240,604	−56.7	−59.4	6.7	127.6	16.7	95.0	35
22,581	309,803	173,696	161,188	−83.2	−86.0	19.6	92.2	7.8	78.4	36
385,861	3,815,615	1,380,634	1,693,939	−62.6	−77.2	64.3	125.3	−18.5	176.4	37
1,377	17,656	6,726	7,045	−57.4	−80.5	118.1	150.6	−4.5	162.5	38
407,424	2,581,011	754,311	833,168	44.5	−51.1	195.6	209.8	−9.5	242.2	39
216,572	487,477	301,595	417,598	−33.3	−48.1	28.6	16.7	−27.8	61.6	40
124,849	297,494	96,846	235,648	39.2	−47.0	162.7	26.2	−58.9	207.2	41
1,960	8,941	4,197	9,555	−61.9	−79.5	85.7	−6.4	−56.0	113.0	42
17,133	72,886	32,825	46,618	−111.2	−63.2	141.7	56.3	−29.6	122.0	43
1,617	8,311	3,284	4,854	−35.3	−66.7	94.2	71.2	−32.3	153.1	44
16,158,929	20,797,418	10,193,180	11,434,992	164.3	41.3	87.0	81.9	−10.9	104.0	45
9,574,966	12,926,012	6,410,467	5,903,480	201.8	62.2	86.1	119.0	8.6	101.6	46
32,618	317,594	170,558	354,382	−86.2	−90.8	50.0	−10.4	−51.9	86.2	47
96,775	416,151	151,971	326,311	17.4	−70.3	295.8	27.5	−53.4	173.8	48
202,487	1,229,824	593,305	1,077,658	−70.1	−81.2	59.1	14.1	−44.9	187.3	49
3,916,820	3,804,854	1,829,311	2,451,364	160.8	59.8	63.2	55.2	−25.4	108.0	50
2,324,857	2,071,830	1,023,840	1,303,267	302.4	78.4	125.6	59.0	−21.4	102.4	51
10,406	31,153	13,728	18,530	−15.8	−43.8	50.0	68.1	−25.9	126.9	52

[3] Does not include potatoes (Irish or white) grown in farm gardens.
[4] Less than one-half of 1 per cent.
[5] Figures for 1919 and 1909 include estimates for incomplete reports.

The data pertaining to the value of the principal crops and livestock products are shown in Table 29, for New England, as a whole and for each of the New England States, together with comparable data for the United States, as a whole, for the years 1909, 1919, and 1929. Index numbers and relative farm prices of selected crops and livestock products for New England and each of the New England States, for 1919 and 1929 appear in Table 30, and average farm prices of selected crops and livestock products, for New England, by States and counties, for 1929 are presented in Table 31. Geographic price differences for New England, by States and counties, for 1929 are found in Table 31, and maps (figs. 16, 17, 18, 19, and 20) shaded by counties, show the price variations for five important New England farm products.

It is important to note that, as indicated by the data presented in Table 29, for New England as a whole, the increase in value of the principal crops and livestock products for both the periods, 1909 to 1919, and 1909 to 1929, was the result of higher prices which prevailed in 1919 and 1929. Increased production was of relatively minor importance in either period, but was more important in the latter half of the 20-year period, due to a decline in farm prices from 1919 to 1929.

For all States in New England (except Vermont and Rhode Island) and for the United States as a whole, the above statement might be made. For Vermont the decline in production between 1919 and 1929 was the more important factor which brought about a lower total value for crops in 1929 than in 1909. For Rhode Island, the effect of lower farm prices for crops and lower production were about equally combined during the period 1919 to 1929, so as to result in a lower total value for the 1929 crops than was obtained in 1909. Causes of change in total value between the periods 1909 to 1919, and 1909 to 1929 may be approximately determined from the data in Table 29, and may be obtained by deduction for the decade 1919 to 1929.

The index numbers and relative farm prices presented in Table 30, show the general downward trend taken by nearly every crop of importance (except tobacco) in New England during the decade 1919 to 1929. Comparisons of the changes in prices in the several States may also be made by means of the data in this table.

TABLE 30.—INDEX NUMBER AND RELATIVE FARM PRICE OF SELECTED CROPS AND LIVESTOCK PRODUCTS, FOR NEW ENGLAND, BY STATES: 1929 AND 1919

[1909 base=100]

CROP OR PRODUCT	NEW ENGLAND		MAINE		NEW HAMPSHIRE		VERMONT		MASSACHUSETTS		RHODE ISLAND		CONNECTICUT	
	1929	1919	1929	1919	1929	1919	1929	1919	1929	1919	1929	1919	1929	1919
Selected crops or products with comparable prices	**166**	**217**	**198**	**258**	**149**	**198**	**147**	**200**	**160**	**211**	**155**	**200**	**190**	**220**
Cereals	133	230	129	208	134	221	126	216	158	263	141	227	161	261
Corn	161	273	161	261	153	258	162	280	164	281	142	231	164	276
Wheat	143	219	150	218	131	214	135	269	131	220	143	227	128	222
Oats	124	188	127	194	115	178	115	183	116	179	125	185	120	178
Barley	116	215	115	216	112	180	116	221	119	201	113	159	122	183
Rye	127	212	110	219	107	184	117	218	128	215	140	215	133	211
Buckwheat	137	256	149	276	155	280	147	264	147	233	136	172	125	193
Other grains and seeds	174	198	(1)	(1)	(1)	(1)	(1)	(1)	221	214	(1)	(1)	(1)	(1)
Navy and other ripe field beans	171	205	164	194	205	223	188	206	229	219	219	274	218	263
Soy beans	87	128	----	----	----	----	----	----	88	131	----	----	----	----
Dry peas	188	246	193	245	184	258	214	265	196	254	----	357	210	298
Clover and grass seeds	523	443	(1)	520	(1)	313	(1)	351	(1)	369	(1)	(1)	(1)	495
Clover and alfalfa seed	262	529	367	781	159	333	229	447	153	322	----	----	280	610
Timothy seed	174	322	159	292	154	293	152	280	220	416	206	374	205	391
Other grass seed	1543	560	----	325	----	293	----	164	----	560	546	217	----	366
Hay and forage, excluding corn cut for forage	86	166	74	164	80	167	83	154	98	189	107	196	113	195
Timothy and (or) timothy and clover mixed	83	169	74	168	79	168	79	156	97	185	114	198	113	202
Clover alone	97	174	83	164	82	181	91	160	104	180	124	219	128	205
Alfalfa	128	193	105	226	141	241	88	145	130	231	200	242	163	201
Other tame grasses	77	167	70	148	73	154	84	140	81	199	79	187	87	197
Wild, salt, or prairie grasses	78	161	79	148	74	160	71	131	80	185	83	214	83	181
Small grains and annual legumes saved for hay	106	206	90	185	98	198	105	166	136	284	101	226	107	195
Silage and miscellaneous forage crops	117	162	102	172	110	184	107	145	119	162	103	185	135	171
Root crops for forage	46	223	44	202	47	244	56	291	44	212	38	190	46	220
Maple sugar and sirup	219	301	210	264	232	279	227	312	225	271	211	(1)	194	238
Maple sugar	306	337	241	254	275	316	302	343	272	282	----	----	191	191
Maple sirup	221	277	207	265	227	268	222	280	220	279	211	234	194	253
Miscellaneous crops	293	399	(1)	573	322	426	(1)	(1)	(1)	(1)	243	311	(1)	244
Potatoes (Irish or white)	324	527	330	573	319	431	106	185	264	362	244	311	255	349
Sweetpotatoes	180	253	----	----	----	----	----	----	----	----	107	122	----	245
Tobacco	311	236	----	160	409	223	312	331	317	259	103	94	308	229
Broom corn	69	88	----	----	----	----	----	----	----	----	----	----	57	78
Small fruits	234	208	250	227	215	219	218	221	237	196	170	218	257	277
Strawberries	202	267	209	241	208	223	215	224	175	278	206	257	263	307
Raspberries and loganberries	231	222	224	209	228	212	226	225	234	229	282	250	242	222
Blackberries and dewberries	215	225	194	212	223	224	213	205	206	225	222	204	240	240
Cranberries	261	171	153	176	137	146	124	133	261	171	155	140	186	213
Currants	185	209	218	218	166	189	203	206	179	215	197	219	179	201
Other berries	230	214	276	233	229	208	225	203	168	214	169	169	136	205
Orchard fruits	203	258	(1)	(1)	219	(1)	279	(1)	180	255	199	263	(1)	(1)
Apples	210	268	178	223	228	287	269	349	187	272	217	289	296	342
Peaches	131	161	119	151	121	144	91	126	137	165	133	156	129	162
Pears	169	198	167	175	162	178	168	192	156	196	171	214	211	218
Plums and prunes	130	147	110	119	124	129	130	132	141	173	123	123	141	165
Cherries	212	145	206	126	196	124	178	131	241	165	234	180	213	166
Apricots	81	77	----	----	62	----	100	----	100	86	100	68	----	----
Grapes	140	264	200	333	206	275	193	257	188	294	79	94	121	272
Livestock products	170	198	167	189	177	196	193	223	162	196	162	184	(1)	204
Butter churned	172	205	171	203	169	205	187	215	163	202	159	197	159	207
Whole milk sold	166	197	129	160	155	188	196	233	148	198	153	182	186	202
Cream sold as butterfat	178	206	175	196	182	195	180	210	157	190	165	222	150	186
Cream sold *not* as butterfat	331	200	323	191	362	215	366	208	290	160	218	110	396	274
Wool shorn (unwashed)	135	213	139	221	137	215	124	196	149	239	134	218	150	227
Mohair and kid hair clipped (unwashed)	148	212	125	141	142	241	142	200	143	239	87	117	----	229
Chicken eggs produced	165	212	167	217	167	209	166	218	162	209	169	202	163	208
Chickens raised	227	195	247	221	244	204	236	228	212	165	202	181	226	202
Honey produced	154	192	168	196	150	185	160	202	145	180	147	127	158	205

[1] Not comparable, as there was no production reported for some item (or items) in this group.

Table 31, and Figures 16 to 20, inclusive, show that, in general, farmers obtained higher prices for their farm products in Massachusetts, Rhode Island, and Connecticut, than were received by producers for like products in the three northern New England States.

TABLE 31.—AVERAGE FARM PRICE AND MEASUREMENT OF GEOGRAPHIC PRICE DIFFERENCES OF SELECTED CROPS AND LIVESTOCK PRODUCTS FOR NEW ENGLAND, BY STATES AND COUNTIES, 1929

STATE AND COUNTY	AVERAGE FARM PRICE									
	Potatoes (Irish or white), per bushel	All hay, per ton	Timothy, and timothy and clover (mixed) hay, per ton	Other tame grasses (hay), per ton	Tobacco, per pound	Apples, per bushel	Oats, per bushel	Eggs, per dozen	Chickens raised, per fowl	Whole milk sold, per gallon
NEW ENGLAND	**$1.23**	**$12.40**	**$12.78**	**$10.83**	**$0.46**	**$1.27**	**$0.68**	**$0.46**	**$1.49**	**$0.28**
Maine	**1.18**	**10.56**	**10.78**	**9.86**	-------	**1.04**	**0.69**	**0.42**	**1.37**	**0.25**
Androscoggin	1.58	10.75	10.90	9.90	-------	1.15	0.67	0.42	1.40	0.25
Aroostook	1.15	10.92	10.90	9.80	-------	1.03	0.70	0.44	1.10	0.28
Cumberland	1.58	10.46	10.90	9.90	-------	1.20	0.67	0.42	1.40	0.26
Franklin	1.48	10.56	10.90	9.90	-------	1.05	0.67	0.42	1.40	0.24
Hancock	1.48	10.58	10.90	9.80	-------	0.97	0.68	0.41	1.30	0.26
Kennebec	1.48	10.64	10.90	9.90	-------	1.05	0.67	0.42	1.40	0.25
Knox	1.58	10.24	10.90	9.90	-------	1.05	0.67	0.42	1.40	0.25
Lincoln	1.58	10.52	10.90	9.90	-------	1.05	0.67	0.42	1.40	0.24
Oxford	1.58	10.51	10.90	9.90	-------	1.00	0.67	0.44	1.40	0.24
Penobscot	1.36	10.34	10.40	9.80	-------	0.95	0.64	0.42	1.40	0.26
Piscataquis	1.36	10.35	10.40	9.80	-------	1.00	0.64	0.42	1.40	0.24
Sagadahoc	1.58	10.35	10.90	9.90	-------	1.05	0.67	0.42	1.40	0.25
Somerset	1.36	10.25	10.40	9.80	-------	0.95	0.64	0.42	1.40	0.24
Waldo	1.48	10.39	10.90	9.80	-------	0.97	0.68	0.41	1.30	0.25
Washington	1.48	10.87	10.90	9.80	-------	0.97	0.68	0.41	1.30	0.26
York	1.58	10.67	10.90	9.90	-------	1.15	0.67	0.44	1.40	0.28
New Hampshire	**1.63**	**12.29**	**12.94**	**10.80**	**0.55**	**1.31**	**0.64**	**0.46**	**1.52**	**0.27**
Belknap	1.58	12.22	13.10	10.80	-------	1.20	0.64	0.46	1.45	0.27
Carroll	1.58	11.43	11.90	10.80	-------	1.20	0.64	0.46	1.45	0.27
Cheshire	1.68	13.92	15.00	10.80	0.55	1.30	0.66	0.44	1.45	0.26
Coos	1.58	11.65	11.90	10.80	-------	1.15	0.64	0.44	1.35	0.25
Grafton	1.58	11.82	12.30	10.80	-------	1.30	0.64	0.44	1.45	0.26
Hillsborough	1.68	13.72	15.00	10.80	0.33	1.35	0.66	0.46	1.55	0.28
Merrimack	1.68	12.13	13.10	10.80	-------	1.30	0.66	0.46	1.55	0.27
Rockingham	1.68	12.56	13.10	10.80	-------	1.30	0.66	0.46	1.55	0.28
Strafford	1.68	11.56	11.90	10.80	-------	1.30	0.66	0.46	1.55	0.27
Sullivan	1.68	12.43	13.10	10.80	-------	1.45	0.66	0.44	1.45	0.26
Vermont	**1.46**	**11.06**	**11.18**	**10.20**	**0.33**	**1.39**	**0.63**	**0.41**	**1.33**	**0.24**
Addison	1.50	11.25	11.30	10.20	-------	1.45	0.63	0.40	1.35	0.24
Bennington	1.60	11.18	11.30	10.20	-------	1.55	0.63	0.40	1.35	0.24
Caledonia	1.39	10.99	11.10	10.20	-------	1.25	0.63	0.42	1.30	0.24
Chittenden	1.39	11.06	11.10	10.20	-------	1.25	0.63	0.38	1.30	0.24
Essex	1.39	11.01	11.10	10.20	-------	1.15	0.63	0.42	1.30	0.23
Franklin	1.39	11.09	11.10	10.20	-------	1.25	0.63	0.38	1.30	0.23
Grand Isle	1.39	11.58	11.10	10.20	-------	1.25	0.63	0.38	1.30	0.23
Lamoille	1.39	10.93	11.10	10.20	-------	1.25	0.63	0.40	1.30	0.23
Orange	1.50	11.01	11.30	10.20	-------	1.30	0.63	0.42	1.35	0.24
Orleans	1.39	10.99	11.10	10.20	-------	1.30	0.63	0.40	1.30	0.23
Rutland	1.58	11.12	11.30	10.20	-------	1.50	0.63	0.40	1.35	0.24
Washington	1.39	11.02	11.10	10.20	-------	1.30	0.63	0.40	1.30	0.23
Windham	1.60	10.98	11.30	10.20	0.33	1.40	0.63	0.42	1.35	0.25
Windsor	1.58	10.96	11.30	10.20	-------	1.50	0.63	0.42	1.35	0.25

TABLE 31.—AVERAGE FARM PRICE AND MEASUREMENT OF GEOGRAPHIC PRICE DIFFERENCES OF SELECTED CROPS AND LIVESTOCK PRODUCTS FOR NEW ENGLAND, BY STATES AND COUNTIES, 1929—Continued

STATE AND COUNTY	MEASUREMENT OF GEOGRAPHIC DIFFERENCES IN PRICE (New England, base=100 per cent)									
	Potatoes (Irish or white), per bushel	All hay, per ton	Timothy, and timothy and clover (mixed) hay, per ton	Other tame grasses (hay), per ton	Tobacco, per pound	Apples, per bushel	Oats, per bushel	Eggs, per dozen	Chickens raised, per fowl	Whole milk sold, per gallon
NEW ENGLAND	100	100	100	100	100	100	100	100	100	100
Maine	96	85	84	91	-------	82	101	91	92	89
Androscoggin	128	87	85	91	-------	91	99	91	94	89
Aroostook	93	88	85	90	-------	81	103	96	74	100
Cumberland	128	84	85	91	-------	94	99	91	94	93
Franklin	120	85	85	91	-------	83	99	91	94	86
Hancock	120	85	85	90	-------	76	100	89	87	93
Kennebec	120	86	85	91	-------	83	99	91	94	89
Knox	128	83	85	91	-------	83	99	91	94	89
Lincoln	128	85	85	91	-------	83	99	91	94	86
Oxford	128	85	85	91	-------	79	99	96	94	86
Penobscot	111	83	81	90	-------	75	94	91	94	93
Piscataquis	111	83	81	90	-------	79	94	91	94	86
Sagadahoc	128	83	85	91	-------	83	99	91	94	89
Somerset	111	83	81	90	-------	75	94	91	94	86
Waldo	120	84	85	90	-------	76	100	89	87	89
Washington	120	88	85	90	-------	76	100	89	87	93
York	128	86	85	91	-------	91	99	96	94	100
New Hampshire	133	99	101	100	120	103	94	100	102	96
Belknap	128	99	103	100	-------	94	94	100	97	96
Carroll	128	92	93	100	-------	94	94	100	97	96
Cheshire	137	112	117	100	120	102	97	96	97	93
Coos	128	94	93	100	-------	91	94	96	91	89
Grafton	128	95	96	100	-------	102	94	96	97	93
Hillsborough	137	111	117	100	72	106	97	100	104	100
Merrimack	137	98	103	100	-------	102	97	100	104	96
Rockingham	137	101	103	100	-------	102	97	100	104	100
Strafford	137	93	93	100	-------	102	97	100	104	96
Sullivan	137	100	103	100	-------	114	97	96	97	93
Vermont	119	89	87	94	72	109	93	89	89	86
Addison	122	91	88	94	-------	114	93	87	91	86
Bennington	130	90	88	94	-------	122	93	87	91	86
Caledonia	113	89	87	94	-------	98	93	91	87	86
Chittenden	113	89	87	94	-------	98	93	83	87	86
Essex	113	89	87	94	-------	91	93	91	87	82
Franklin	113	89	87	94	-------	98	93	83	87	82
Grand Isle	113	93	87	94	-------	98	93	83	87	82
Lamoille	113	88	87	94	-------	98	93	87	87	82
Orange	122	89	88	94	-------	102	93	91	91	86
Orleans	113	89	87	94	-------	102	93	87	87	82
Rutland	128	90	88	94	-------	118	93	87	91	86
Washington	113	89	87	94	-------	102	93	87	87	82
Windham	130	89	88	94	72	110	93	91	91	89
Windsor	128	88	88	94	-------	118	93	91	91	89

TABLE 31.—AVERAGE FARM PRICE AND MEASUREMENT OF GEOGRAPHIC PRICE DIFFERENCES OF SELECTED CROPS AND LIVESTOCK PRODUCTS FOR NEW ENGLAND, BY STATES AND COUNTIES, 1929—Continued

STATE AND COUNTY	AVERAGE FARM PRICE									
	Potatoes (Irish or white), per bushel	All hay, per ton	Timothy, and timothy and clover (mixed) hay, per ton	Other tame grasses (hay), per ton	Tobacco, per pound	Apples, per bushel	Oats, per bushel	Eggs, per dozen	Chickens raised, per fowl	Whole milk sold, per gallon
Massachusetts	**$1.78**	**$15.86**	**$17.27**	**$11.83**	**$0.40**	**$1.30**	**$0.68**	**$0.49**	**$1.58**	**$0.31**
Barnstable	1.85	17.20	19.60	13.00	-------	1.25	-------	0.52	1.60	0.34
Berkshire	1.75	13.67	15.00	11.20	-------	1.40	0.67	0.44	1.45	0.27
Bristol	1.85	18.14	19.60	13.00	-------	1.35	0.75	0.52	1.60	0.34
Dukes	1.85	15.62	19.60	13.00	-------	1.25	-------	0.52	1.60	0.34
Essex	1.77	17.06	19.00	12.00	-------	1.25	0.70	0.49	1.60	0.31
Franklin	1.75	14.06	15.00	11.20	0.42	1.20	0.67	0.44	1.45	0.28
Hampden	1.75	15.29	17.00	12.00	0.56	1.50	0.67	0.47	1.55	0.30
Hampshire	1.75	15.80	17.00	12.00	0.35	1.35	0.67	0.47	1.55	0.28
Middlesex	1.77	17.53	19.00	12.00	-------	1.25	0.70	0.49	1.60	0.31
Nantucket	1.85	17.42	19.60	13.00	-------	-------	-------	0.52	1.60	0.34
Norfolk	1.77	18.29	19.40	12.50	0.33	1.35	0.70	0.50	1.60	0.31
Plymouth	1.85	18.65	19.60	13.00	-------	1.35	0.75	0.52	1.60	0.34
Suffolk	1.77	19.48	20.00	13.00	-------	1.25	-------	0.51	1.60	0.31
Worcester	1.77	15.74	17.00	12.00	-------	1.40	0.70	0.48	1.60	0.30
Rhode Island	**1.80**	**18.99**	**21.00**	**13.00**	**0.33**	**1.50**	**0.74**	**0.49**	**1.60**	**0.33**
Bristol	1.80	20.06	21.00	13.00	-------	1.50	0.74	0.51	1.60	0.33
Kent	1.80	18.47	21.00	13.00	-------	1.50	0.75	0.48	1.60	0.33
Newport	1.80	19.15	21.00	13.00	-------	1.50	0.74	0.51	1.60	0.33
Providence	1.80	20.07	21.00	13.00	0.33	1.50	0.69	0.50	1.60	0.33
Washington	1.80	16.93	21.00	13.00	-------	1.50	0.75	0.48	1.60	0.33
Connecticut	**1.79**	**16.85**	**18.82**	**12.79**	**0.48**	**1.60**	**0.70**	**0.47**	**1.49**	**0.32**
Fairfield	1.80	16.34	18.00	13.00	0.29	1.70	0.72	0.48	1.50	0.33
Hartford	1.78	17.29	18.00	13.00	0.50	1.55	0.70	0.47	1.50	0.32
Litchfield	1.78	15.36	18.00	12.30	0.35	1.45	0.70	0.44	1.45	0.31
Middlesex	1.80	18.43	20.00	13.00	0.47	1.65	0.72	0.48	1.50	0.33
New Haven	1.80	18.06	18.00	13.00	0.17	1.60	0.72	0.48	1.50	0.33
New London	1.80	17.64	21.00	13.00	-------	1.70	0.72	0.48	1.50	0.33
Tolland	1.78	17.48	20.00	13.00	0.44	1.70	0.70	0.47	1.50	0.32
Windham	1.78	16.12	20.00	13.00	-------	1.65	0.70	0.47	1.50	0.33

TABLE 31.—AVERAGE FARM PRICE AND MEASUREMENT OF GEOGRAPHIC PRICE DIFFERENCES OF SELECTED CROPS AND LIVESTOCK PRODUCTS FOR NEW ENGLAND, BY STATES AND COUNTIES, 1929—Continued

STATE AND COUNTY	MEASUREMENT OF GEOGRAPHIC DIFFERENCES IN PRICE (New England, base=100 per cent)—Continued									
	Potatoes (Irish or white), per bushel	All hay, per ton	Timothy, and timothy and clover (mixed) hay, per ton	Other tame grasses (hay), per ton	Tobacco, per pound	Apples, per bushel	Oats, per bushel	Eggs, per dozen	Chickens raised, per fowl	Whole milk sold, per gallon
Massachusetts	145	128	135	109	87	102	100	107	106	111
Barnstable	150	139	153	120	-------	98	-------	113	107	121
Berkshire	142	110	117	103	-------	110	99	96	97	96
Bristol	150	146	153	120	-------	106	110	113	107	121
Dukes	150	126	153	120	-------	98	-------	113	107	121
Essex	144	138	149	111	-------	98	103	107	107	111
Franklin	142	113	117	103	91	94	99	96	97	100
Hampden	142	123	133	111	122	118	99	102	104	107
Hampshire	142	127	133	111	76	106	99	102	104	100
Middlesex	144	141	149	111	-------	98	103	107	107	111
Nantucket	150	140	153	120	-------	-------	-------	113	107	121
Norfolk	144	148	152	115	72	106	103	109	107	111
Plymouth	150	150	153	120	-------	106	110	113	107	121
Suffolk	144	157	156	120	-------	98	-------	111	107	111
Worcester	144	127	133	111	-------	110	103	104	107	107
Rhode Island	146	153	164	120	72	118	109	107	107	118
Bristol	146	162	164	120	-------	118	109	111	107	118
Kent	146	149	164	120	-------	118	110	104	107	118
Newport	146	154	164	120	-------	118	109	111	107	118
Providence	146	162	164	120	72	118	101	109	107	118
Washington	146	137	164	120	-------	118	110	104	107	118
Connecticut	146	136	147	118	104	126	103	102	100	114
Fairfield	146	132	141	120	63	134	106	104	101	118
Hartford	145	139	141	120	109	122	103	102	101	114
Litchfield	145	124	141	114	76	114	103	96	97	111
Middlesex	146	149	156	120	102	130	106	104	101	118
New Haven	146	146	141	120	37	126	106	104	101	118
New London	146	142	164	120	-------	134	106	104	101	118
Tolland	145	141	156	120	96	134	103	102	101	114
Windham	145	130	156	120	-------	130	103	102	101	118

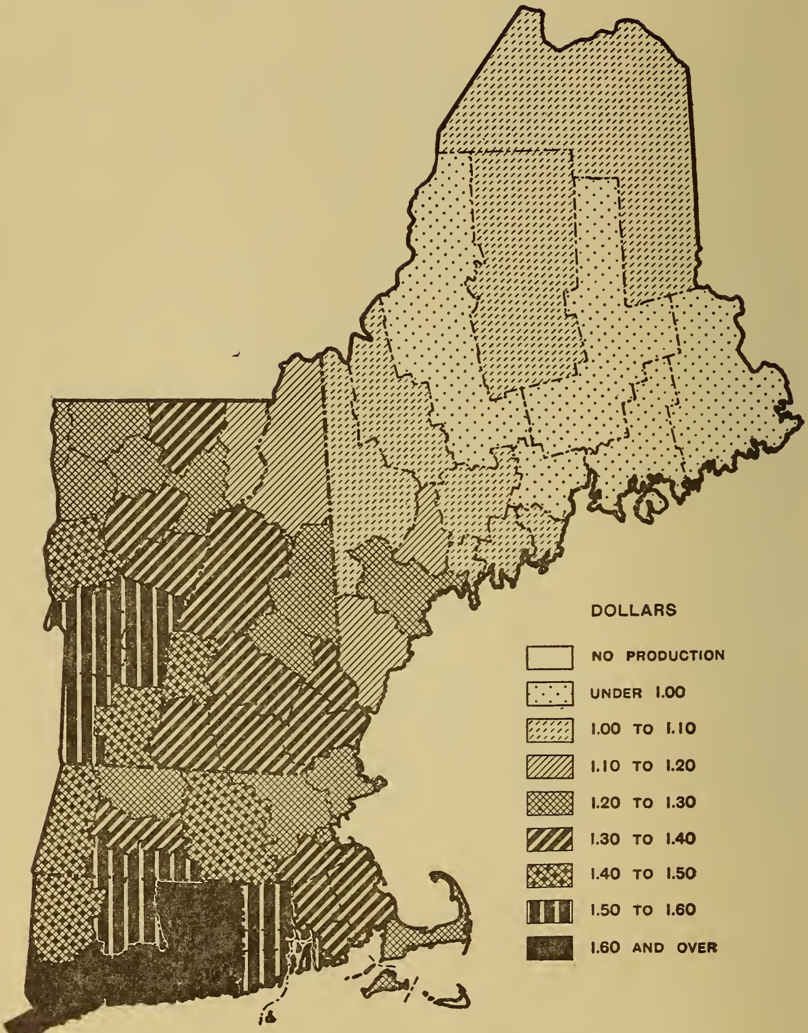

FIGURE 16.—AVERAGE PRICE PAID PRODUCERS FOR APPLES, FOR THE NEW ENGLAND STATES, 1929

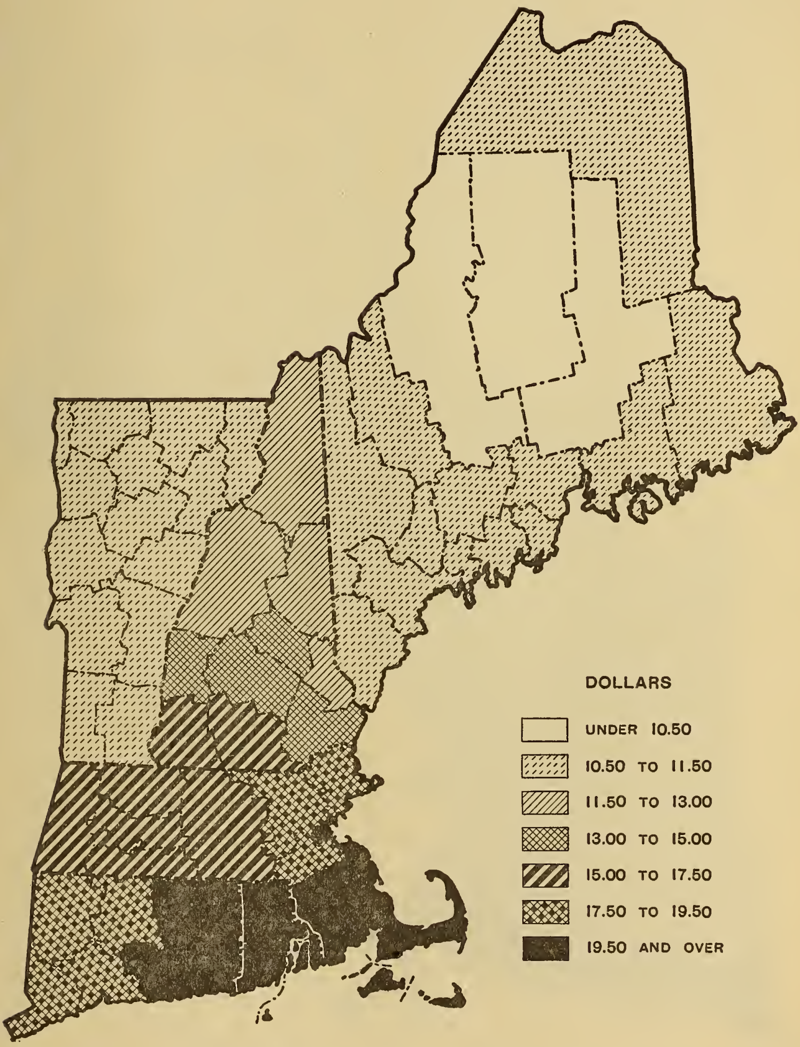

Figure 17.—Average Price Paid Producers for Timothy, and Timothy and Clover (Mixed) Hay, for the New England States, 1929

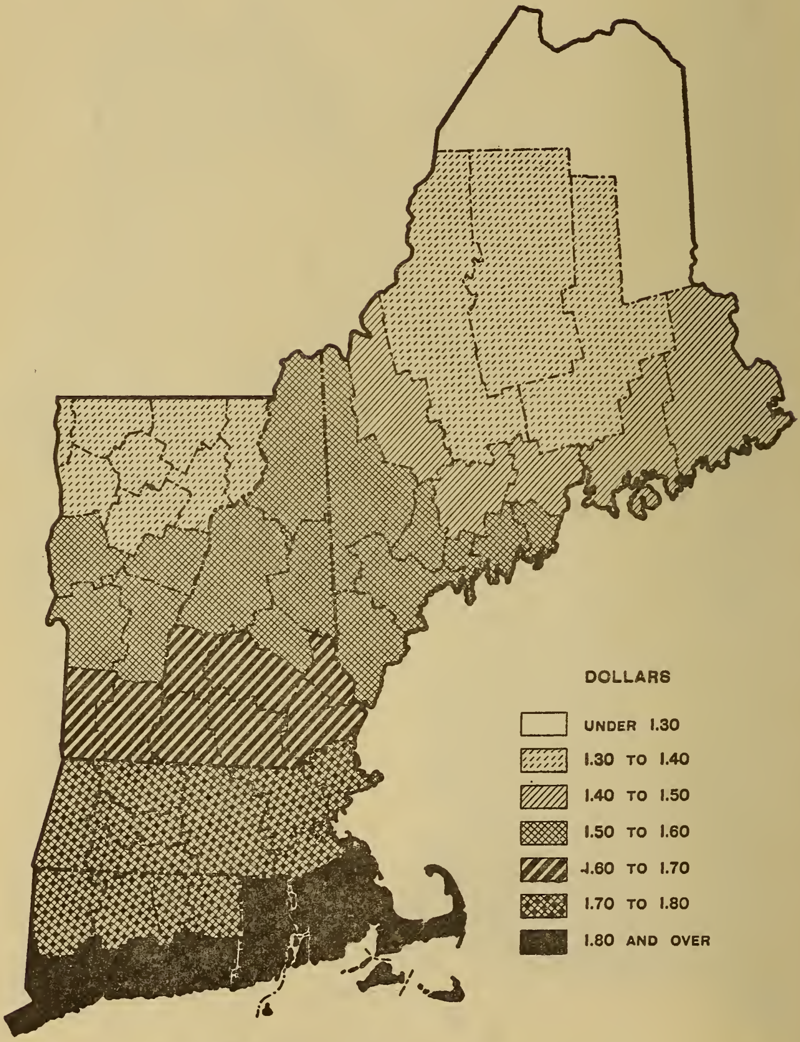

FIGURE 18.—AVERAGE PRICE PAID PRODUCERS FOR POTATOES (IRISH OR WHITE), FOR THE NEW ENGLAND STATES, 1929

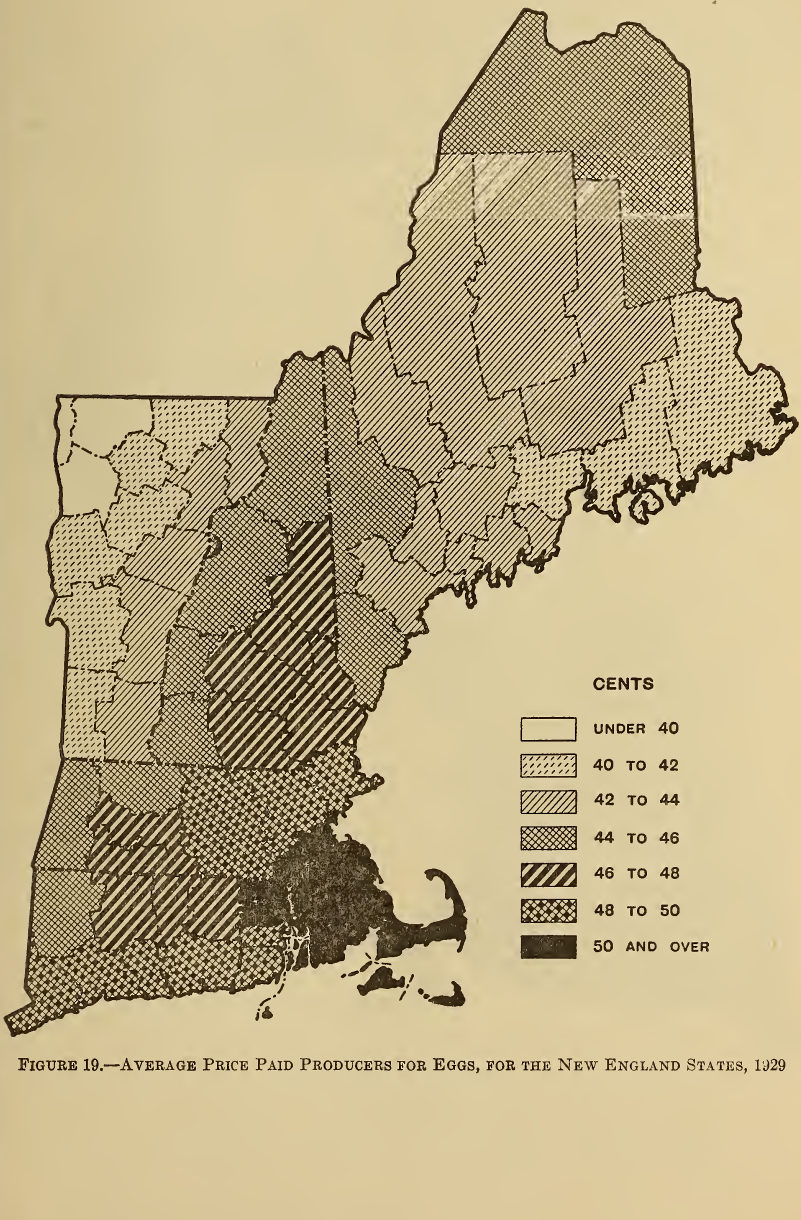

FIGURE 19.—AVERAGE PRICE PAID PRODUCERS FOR EGGS, FOR THE NEW ENGLAND STATES, 1929

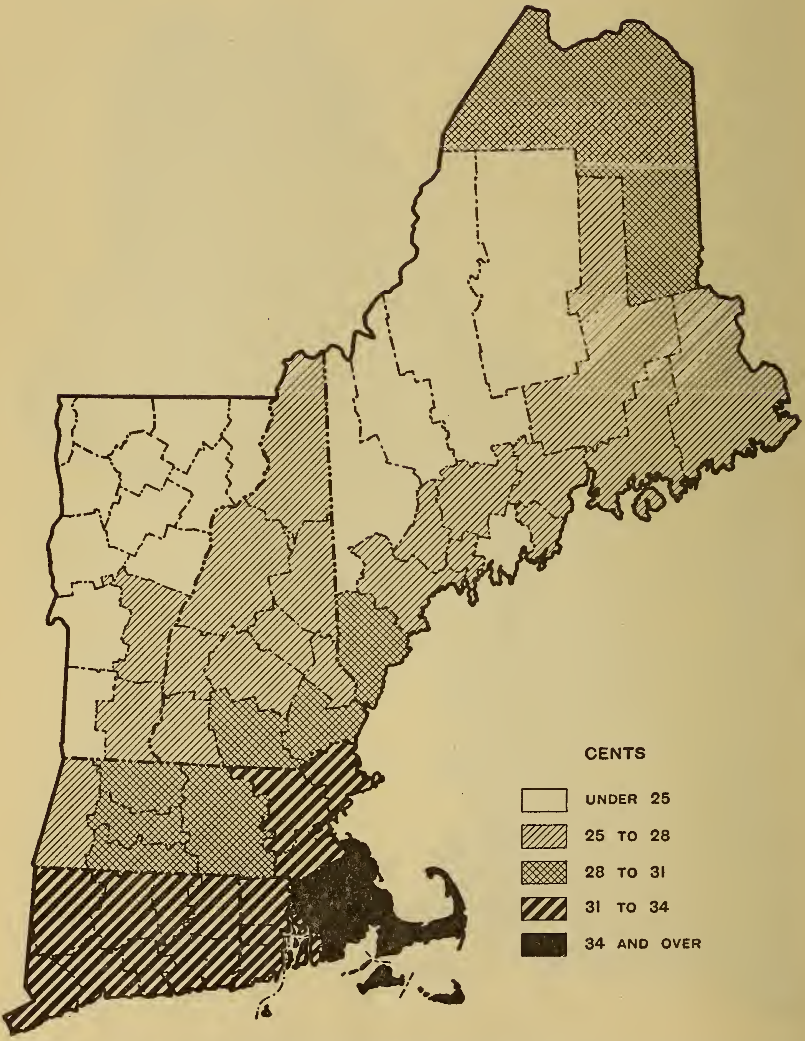

FIGURE 20.—AVERAGE PRICE PAID PRODUCERS FOR WHOLE MILK, FOR THE NEW ENGLAND STATES, 1929

Types of farms and farm real-estate value, 1930.—The type of farming which is carried on in various localities determines to a large degree the value of farm real estate. The data pertaining to the number of farms of each type and the average value of all farm real estate per acre for New England, by States and counties, for the census year 1930, are presented in Tables 35 and 36. The average value of all farm real estate per acre for each of the principal type of farming areas is shown in Table 37.

An outline map by means of which the type of farming areas in New England may be located, is shown in Figure 22. Brief statements, characterizing each of the type of farming area shown in the map (fig. ~~23~~ 22), are given below. The code numbers, or type of farming area designations to the left of each statement comprise the key by which the corresponding area on the map may be located.

NEW ENGLAND TYPE OF FARMING AREAS

AREA

1 **Lake Champlain**—Intensive dairy, some part-time, fruit, potato.
2 **West Vermont**—Intensive dairy, some part-time, potato, maple products.
3 **Green Mountains—Berkshire Hills**—Dairy, part-time, self-sufficing, forest-product.
4*a* **East Vermont**—Intensive dairy, some part-time, poultry, maple and forest-products.
b Similar to (*a*) with less dairy, but more self-sufficing and part-time.
c Dairy, fruit, part-time (less dairy than (*a*) or (*b*)).
5 **White Mountains—Maine woods**—Nonagricultural.
6*a* **Semiagricultural area**—Dairy, part-time, forest-product, self-sufficing, resort.
b More self-sufficing and less agriculture than (*a*).
c Similar to (*a*) with more agriculture.
7 **Aroostook**—Potato.
8 **Semiagricultural area**—Potato, general, part-time.
9 **Eastport**—General, dairy, potato, self-sufficing, forest-product.
10 **Washington County**—Blueberry, general, part-time, forest-product.
11 **Semiagricultural area**—Part-time, general, dairy, self-sufficing, fruit.
12 **South central Maine**—Potato, dairy, general, part-time, poultry, forest-product.
13 **Bangor**—Dairy, part-time, general, potato.
14 **Penobscot Bay-Portland**—Part-time, self-sufficing, general dairy, poultry.
15 **Kennebec**—General, dairy, part-time, poultry, potato, forest-product, fruit.
16*a* **Merrimack-Nashua Rivers Valleys**—Dairy, general, poultry, part-time, potato, fruit.
b Similar to (*a*) with more poultry.
17 **Portsmouth-Newburyport-Gloucester**—Dairy, poultry, truck, fruit, part-time.
18 **Boston**—Dairy, truck, poultry, part-time, fruit.
19 **Nashoba**—Apples, dairy, poultry, general.
20 **Central upland-Blackstone River Valley**—Dairy, poultry, part-time, general.
21 **Springfield-Holyoke**—Dairy, poultry, part-time.
22 **Connecticut Valley**—Tobacco, truck, dairy, part-time.
23 **Farmington-Quinnipiac**—Dairy, part-time, self-sufficing, poultry.
24 **Housatonic-Naugatuck Valleys**—Intensive dairy, some part-time.
25 **Metropolitan-semiurban area**—Dairy, poultry, truck, part-time, country estates.
26*a* **New Haven**—Truck, dairy, poultry.
b **Middletown**—Dairy, some poultry, part-time.
27 **Middlesex**—Poultry, dairy, part-time.

AREA
28 **Lower Thomas Basin**—Dairy, poultry, part-time, resort.
  a Intensive dairy.
  b Dairy, poultry, part-time, general self-sufficing.
29 **Upper Thames Basin-west Rhode Island**—Poultry, dairy, part-time, general.
30 **Narragansett Bay**—Dairy, poultry, truck, part-time, fruit.
31*a* **South of Boston-Buzzards Bay**—Dairy, poultry, truck, part-time, fruit.
  b Similar to (*a*) with more poultry and fruit, and less truck.
  c Intensive dairy, poultry.
  d Similar to (*c*) but with less agriculture.
32 **Cape Cod**—Cranberry, dairy, poultry, part-time.

CHANGES IN COUNTY BOUNDARIES, NEW ENGLAND STATES, 1850 TO 1930

In connection with Tables 16, 17, 18, 21, 22, and 24, it is necessary to consider all changes in county boundaries. Figures are not given in these tables when changes occurred prior to 1900.

All changes in county boundaries from 1850 to 1930 are shown below.

CONNECTICUT

New London.—Part of Windham annexed in 1881.

Tolland.—Part annexed to Windham about 1886.

Windham.—Part annexed to New London in 1881; part annexed to Tolland about 1886.

MAINE

Androscoggin.—Organized from parts of Cumberland, Kennebec, Lincoln, and Oxford in 1854.

Aroostook.—Part annexed to Washington in 1885; part of Penobscot annexed in 1889.

Cumberland.—Part taken to form part of Androscoggin in 1854.

Hancock.—Part annexed to Knox in 1913.

Kennebec.—Part taken to form part of Androscoggin in 1854; part annexed to Waldo in 1873.

Knox.—Organized from parts of Lincoln and Waldo in 1860; part of Hancock annexed in 1913.

Lincoln.—Parts taken to form Sagadahoc and part of Androscoggin in 1854; part taken to form part of Knox in 1860.

Oxford.—Part taken to form part of Androscoggin in 1854.

Penobscot.—Part annexed to Aroostock in 1889.

Sagadahoc.—Organized from part of Lincoln in 1854.

Waldo.—Part taken to form part of Knox in 1860; part of Kennebec annexed in 1873.

Washington.—Part of Aroostook annexed in 1885.

MASSACHUSETTS

Bristol.—Part ceded to Rhode Island and part of Providence County, R. I., ceded to Massachusetts in settlement of the boundary question, March 1, 1862.

Essex.—Boundary changed between Essex and Middlesex Counties in 1857.

Hampden.—Part of Hampshire County annexed in 1909.

Hampshire.—Part annexed to Hampden County in 1909.

Middlesex.—Boundary between Middlesex and Essex Counties changed in 1857. Part of Worcester County annexed in 1868. Part of Suffolk County annexed in 1872. Parts annexed to Suffolk County in 1873 and 1874. Part of Suffolk County annexed in 1875. Boundary between Middlesex and Suffolk Counties changed in 1891. Part annexed to Norfolk County in 1907. Boundary between Middlesex and Suffolk Counties changed in 1910. Boundary between Middlesex and Norfolk Counties changed in 1919.

Norfolk.—Parts annexed to Suffolk County in 1850, 1855, 1860, 1870, 1872, 1873, 1874, 1911, and 1912. Part of Suffolk annexed in 1872. Part ofMiddlesex annexed in 1907. Boundary between Middlesex and Norfolk Counties changed in 1919.

Suffolk.—Parts annexed to Middlesex County in 1872 and 1875. Part annexed to Norfolk County in 1872. Part of Middlesex County annexed in 1873 and 1874. Part of Norfolk County annexed in 1850, 1855, 1860, 1870, 1872, 1873, 1874, 1911, and 1912. Boundary line between Middlesex and Suffolk Counties changed in 1891 and 1910.

Worcester.—Part of Bolton town annexed to Hudson town, Middlesex County, in 1868.

NEW HAMPSHIRE

Grafton.—Part annexed to Merrimack in 1871.

Merrimack.—Part of Grafton annexed in 1871.

RHODE ISLAND

Providence.—Part ceded to Massachusetts and part of Bristol County, Mass., ceded to Rhode Island in change of boundaries, April 10, 1861.

VERMONT

Caledonia.—Part of Washington annexed between 1890 and 1900.

Washington.—Part annexed to Caledonia between 1890 and 1900.

CHAPTER III

SUMMARY AND ADDITIONAL DATA

The two principal purposes of this study, as set forth in the introduction, have been largely accomplished by (1) bringing together data and other information from various census reports and other sources, and (2) presenting them in tabular, map, and graphic form so as to enable persons interested in farm real-estate values for the New England States to obtain ready information on the subject.

It was not within the scope of this study to describe in detail, or to attempt to assign absolute reasons for the changes which have taken place in farm real-estate values for New England and its various subdivisions for the period 1850 to 1930. A beginning, however, has been made in that direction, which may prove valuable as a basis for further study by those interested in this subject, or in farm land utilization studies.

The extreme variations, even within counties of New England, in physical conditions and in agricultural products, marketing conditions and practices, make the assignment and estimation of the relative effects of the numerous complex factors an extremely difficult and hazardous undertaking.

The expansion of urban places, which has resulted in an encroachment of suburbs of the metropolitan districts into rural and agricultural territory, has undoubtedly been a very important factor affecting farm real-estate values, particularly in southern New England. The development of otherwise agricultural territory into summer resorts, summer colonies, and recreational areas has had an important effect upon farm real-estate values, particularly along the coast lines of Maine, New Hampshire, Massachusetts, Rhode Island, and Connecticut; in the Green Mountain area of Vermont, the White Mountain section of New Hampshire, the lake districts of Maine, and the Berkshire Hills of Massachusetts and Connecticut.

Some of the data pertaining to farm real-estate values in the metropolitan and the principal agricultural, semiagricultural, and industrial areas, along with data concerning farm income, farm expenditures for labor and fertilizer, type of farm, farm facilities, and farm roads, follow.

Other factors which should be given due attention in connection with a further study of farm real-estate values are the purchases or control of large areas of land by States, counties, cities, and public-service or utility companies for public and semipublic uses.

Finally, it may be stated that the farm real-estate situation for New England, Massachusetts, Rhode Island and Connecticut each considered as a whole, appeared to be somewhat less affected by the economic conditions of the latter part of 1929 and the earlier part of 1930, although those towns and townships in which agriculture was the chief industry suffered materially by the decline in farm real-estate values.

TABLE 32.—AVERAGE VALUE OF FARM PRODUCTS SOLD, TRADED, OR USED BY FARM OPERATOR'S FAMILY PER ACRE, WITH PER CENT DISTRIBUTION OF THE AVERAGES, AND RATIO OF THE VALUE OF PRODUCTS PER ACRE, TO THE VALUE OF FARM REAL ESTATE (LAND AND BUILDINGS) PER ACRE, FOR NEW ENGLAND, BY STATES AND COUNTIES, 1929

STATE AND COUNTY	AVERAGE VALUE OF FARM PRODUCTS SOLD, TRADED, OR USED BY OPERATOR'S FAMILY PER ACRE						MEASUREMENT OF DISTRIBUTION OF THE AVERAGES IN PERCENTAGES, OF THE AVERAGE FOR NEW ENGLAND AS BASE (100)		
	All products	Crops	Livestock	Livestock products	Forest products	Products used by family	All products	Crops	Livestock
NEW ENGLAND	$22.05	$6.71	$2.34	$9.69	$0.75	$2.55	100	100	100
Maine	19.91	10.36	1.78	4.41	0.93	2.43	90	154	76
Androscoggin	15.74	2.99	3.73	6.12	0.48	2.42	71	45	159
Aroostook	47.81	42.62	0.89	1.00	0.52	2.78	217	635	38
Cumberland	21.58	3.58	3.08	11.03	1.14	2.77	98	53	132
Franklin	11.63	1.78	2.63	4.04	1.18	2.01	53	27	112
Hancock	12.37	1.77	1.04	5.84	1.18	2.54	56	26	44
Kennebec	14.07	2.48	2.07	6.26	0.62	2.64	64	37	88
Knox	13.35	1.87	1.12	6.57	0.71	3.08	61	28	48
Lincoln	9.98	0.99	1.11	5.02	0.46	2.41	45	15	47
Oxford	10.15	1.85	1.60	3.41	1.32	1.98	46	28	68
Penobscot	16.41	6.15	2.17	4.79	1.01	2.28	74	92	93
Piscataquis	13.17	4.25	1.55	3.57	1.89	1.92	60	63	66
Sagadahoc	11.51	1.56	1.51	5.49	0.52	2.43	52	23	65
Somerset	11.48	2.15	2.22	3.77	1.24	2.09	52	32	95
Waldo	11.97	3.05	1.38	4.60	0.86	2.08	54	45	59
Washington	9.90	3.14	0.75	2.33	1.56	2.13	45	47	32
York	17.75	2.44	2.77	8.39	0.97	3.18	80	36	118
New Hampshire	14.58	1.63	2.08	7.65	0.91	2.31	66	24	89
Belknap	13.58	1.66	2.01	6.85	0.66	2.41	62	25	86
Carroll	9.35	0.88	1.45	3.40	0.98	2.64	42	13	62
Cheshire	14.00	1.60	2.11	6.91	1.05	2.34	63	24	90
Coos	13.32	1.34	2.60	6.78	0.84	1.75	60	20	111
Grafton	11.91	0.86	2.16	6.18	0.83	1.89	54	13	92
Hillsborough	19.44	2.53	2.34	11.47	0.69	2.41	88	38	100
Merrimack	12.82	1.44	1.38	6.73	1.13	2.13	58	21	59
Rockingham	23.45	3.20	2.63	13.43	0.95	3.24	106	48	112
Strafford	16.88	2.26	1.89	9.01	0.79	2.92	77	34	81
Sullivan	11.44	1.03	1.95	5.13	1.12	2.20	52	15	83
Vermont	14.34	1.38	2.19	8.21	0.65	1.91	65	21	94
Addison	14.07	1.12	2.46	8.59	0.38	1.51	64	17	105
Bennington	11.11	1.50	1.03	6.10	0.34	2.14	50	22	44
Caledonia	15.98	1.05	2.88	9.38	0.72	1.94	72	16	123
Chittenden	17.47	1.51	1.87	11.55	0.54	2.00	79	23	80
Essex	10.75	0.82	1.36	5.76	1.00	1.81	49	12	58
Franklin	17.28	1.92	1.62	11.35	0.48	1.91	78	29	69
Grand Isle	19.03	2.61	2.43	10.97	0.09	2.92	86	39	104
Lamoille	14.74	1.39	1.88	8.36	1.28	1.82	67	21	80
Orange	12.58	1.10	2.55	6.50	0.59	1.83	57	16	109
Orleans	16.49	1.40	2.31	10.10	0.74	1.94	75	21	99
Rutland	13.32	1.24	2.28	7.49	0.46	1.85	60	18	97
Washington	15.93	1.47	3.33	7.97	1.04	2.13	72	22	142
Windham	10.72	2.06	1.79	4.39	0.70	1.78	49	31	76
Windsor	12.06	1.03	1.87	6.41	0.65	2.11	55	15	80

TABLE 32.—AVERAGE VALUE OF FARM PRODUCTS SOLD, TRADED, OR USED BY FARM OPERATOR'S FAMILY PER ACRE, WITH PER CENT DISTRIBUTION OF THE AVERAGES, AND RATIO OF THE VALUE OF PRODUCTS PER ACRE, TO THE VALUE OF FARM REAL ESTATE (LAND AND BUILDINGS) PER ACRE, FOR NEW ENGLAND, BY STATES AND COUNTIES, 1929—Continued

STATE AND COUNTY	MEASUREMENT OF DISTRIBUTION OF THE AVERAGES IN PERCENTAGES OF THE AVERAGE FOR NEW ENGLAND AS BASE (100)—continued			RATIO OF VALUE OF PRODUCTS PER ACRE TO THE VALUE OF FARM REAL ESTATE PER ACRE						
	Livestock products	Forest products	Products used by family	All products	Crops	Livestock	Livestock products	Forest products	Products used by family
NEW ENGLAND	100	100	100	33.5	10.2	3.6	14.7	1.1	3.9
Maine	46	124	95	47.6	24.7	4.3	10.5	2.2	5.8
Androscoggin	63	64	95	34.0	6.5	8.1	13.2	1.0	5.2
Aroostook	10	69	109	62.1	55.4	1.2	1.3	0.7	3.6
Cumberland	114	152	109	33.0	5.5	4.7	16.9	1.7	4.2
Franklin	42	157	79	42.4	6.5	9.6	14.7	4.3	7.3
Hancock	60	157	100	38.4	5.5	3.2	18.1	3.7	7.9
Kennebec	65	83	104	37.3	6.6	5.5	16.6	1.6	7.0
Knox	68	95	121	32.7	4.6	2.7	16.1	1.7	7.6
Lincoln	52	61	95	31.7	3.1	3.5	16.0	1.5	7.7
Oxford	35	176	78	34.2	6.2	5.4	11.5	4.4	6.7
Penobscot	49	135	89	53.4	20.0	7.1	15.6	3.3	7.4
Piscataquis	37	252	75	56.5	18.2	6.6	15.3	8.1	8.2
Sagadahoc	57	69	95	36.7	5.0	4.8	17.5	1.7	7.7
Somerset	39	165	82	42.0	7.9	8.1	13.8	4.5	7.6
Waldo	47	115	82	51.9	13.2	6.0	20.0	3.7	9.0
Washington	24	208	84	46.5	14.8	3.5	11.0	7.3	10.0
York	87	129	125	34.3	4.7	5.4	16.2	1.9	6.2
New Hampshire	79	121	91	36.9	4.1	5.3	19.4	2.3	5.9
Belknap	71	88	95	36.0	4.4	5.3	18.1	1.7	6.4
Carroll	35	131	104	25.7	2.4	4.0	9.3	2.7	7.3
Cheshire	71	140	92	31.3	3.6	4.7	15.5	2.4	5.2
Coos	70	112	69	43.8	4.4	8.5	22.3	2.8	5.7
Grafton	64	111	74	39.4	2.8	7.1	20.5	2.7	6.3
Hillsborough	118	92	95	39.3	5.1	4.7	23.2	1.4	4.9
Merrimack	69	151	84	36.4	4.1	3.9	19.1	3.2	6.0
Rockingham	139	127	127	38.0	5.2	4.3	21.8	1.5	5.3
Strafford	93	105	115	33.9	4.5	3.8	18.1	1.6	5.9
Sullivan	53	149	86	39.3	3.5	6.7	17.6	3.9	7.6
Vermont	85	87	75	38.3	3.7	5.8	21.9	1.7	5.1
Addison	89	51	59	33.8	2.7	5.9	20.6	0.9	3.6
Bennington	63	45	84	22.6	3.1	2.1	12.4	0.7	4.4
Caledonia	97	96	76	47.1	3.1	8.5	27.7	2.1	5.7
Chittenden	119	72	78	32.9	2.8	3.5	21.7	1.0	3.8
Essex	59	133	71	41.6	3.2	5.3	22.3	3.9	7.0
Franklin	117	64	75	36.6	4.1	3.4	24.0	1.0	4.0
Grand Isle	113	12	115	21.5	3.0	2.8	12.4	0.1	3.3
Lamoille	86	171	71	49.2	4.6	6.3	27.9	4.3	6.1
Orange	67	79	72	48.9	4.3	9.9	25.3	2.3	7.1
Orleans	104	99	76	43.4	3.7	6.1	26.6	1.9	5.1
Rutland	77	61	73	36.1	3.4	6.2	20.3	1.2	5.0
Washington	82	139	84	45.0	4.2	9.4	22.5	2.9	6.0
Windham	45	93	70	37.4	7.2	6.2	15.3	2.4	6.2
Windsor	66	87	83	38.3	3.3	5.9	20.4	2.1	6.7

TABLE 32.—AVERAGE VALUE OF FARM PRODUCTS SOLD, TRADED, OR USED BY FARM OPERATOR'S FAMILY PER ACRE, WITH PER CENT DISTRIBUTION OF THE AVERAGES, AND RATIO OF THE VALUE OF PRODUCTS PER ACRE, TO THE VALUE OF FARM REAL ESTATE (LAND AND BUILDINGS) PER ACRE, FOR NEW ENGLAND, BY STATES AND COUNTIES, 1929—Continued

STATE AND COUNTY	AVERAGE VALUE OF FARM PRODUCTS SOLD, TRADED, OR USED BY OPERATOR'S FAMILY PER ACRE						MEASUREMENT OF DISTRIBUTION OF THE AVERAGES IN PERCENTAGES, OF THE AVERAGE FOR NEW ENGLAND AS BASE (100)		
	All products	Crops	Livestock	Livestock products	Forest products	Products used by family	All products	Crops	Livestock
Massachusetts	**37.50**	**10.29**	**3.87**	**19.20**	**0.67**	**3.46**	**170**	**153**	**165**
Barnstable	53.43	26.59	2.64	20.94	0.12	3.15	242	396	113
Berkshire	15.48	1.12	2.01	9.85	0.53	1.97	70	17	86
Bristol	62.19	12.02	5.76	38,53	0.90	4.98	282	179	246
Dukes	7.17	0.60	0.63	4.63	0.33	0.99	33	9	27
Essex	52.91	12.56	4.50	30.78	0.51	4.56	240	187	192
Franklin	23.41	9.70	2.65	7.61	0.62	2.83	106	145	113
Hampden	27.20	10.56	2.36	10.84	0.47	2.97	123	157	101
Hampshire	30.07	13.51	2.49	10.21	0.69	3.17	136	201	106
Middlesex	63.82	18.75	9.03	30.98	0.68	4.38	289	279	386
Nantucket	23.68	6.80	0.85	14.03		2.00	107	101	36
Norfolk	78.39	8.04	6.54	57.06	0.69	6.05	356	120	279
Plymouth	66.92	29.42	3.93	28.61	1.04	3.92	303	438	168
Suffolk	343.57	169.34	57.84	113.42		2.98	1,558	2,524	2,472
Worcester	29.95	4.25	3.57	17.85	0.77	3.51	136	63	153
Rhode Island	**35.48**	**5.28**	**3.74**	**22.54**	**0.55**	**3.37**	**161**	**79**	**160**
Bristol	66.45	10.37	2.23	47.16	0.27	6.43	301	155	95
Kent	27.37	3.07	2.21	17.70	0.87	3.53	124	46	94
Newport	53.95	12.23	4.21	32.23	0.13	5.16	245	182	180
Providence	43.52	5.42	5.58	28.57	0.61	3.35	197	81	238
Washington	19.81	2.88	2.36	11.79	0.51	2.27	90	43	101
Connecticut	**35.29**	**11.37**	**2.54**	**17.43**	**0.39**	**3.56**	**160**	**169**	**109**
Fairfield	32.12	4.23	2.45	20.20	0.22	5.03	146	63	105
Hartford	72.25	45.65	2.61	19.42	0.29	4.28	328	680	112
Litchfield	25.20	2.57	2.54	16.90	0.31	2.88	114	38	109
Middlesex	25.83	5.03	2.07	13.83	0.82	4.07	117	75	88
New Haven	52.26	11.91	3.56	31.82	0.69	4.28	237	177	152
New London	20.42	1.83	2.27	13.14	0.29	2.89	93	27	97
Tolland	28.34	9.45	2.07	13.12	0.44	3.27	129	141	88
Windham	20.15	1.49	2.67	12.88	0.38	2.74	91	22	114

Table 32.—Average Value of Farm Products Sold, Traded, or Used by Farm Operator's Family Per Acre, with Per Cent Distribution of the Averages, and Ratio of the Value of Products Per Acre, to the Value of Farm Real Estate (Land and Buildings) Per Acre, for New England, by States and Counties, 1929—Continued

STATE AND COUNTY	MEASUREMENT OF DISTRIBUTION OF THE AVERAGES IN PERCENTAGES OF THE AVERAGE FOR NEW ENGLAND AS BASE (100)—continued			RATIO OF VALUE OF PRODUCTS PER ACRE TO THE VALUE OF FARM REAL ESTATE PER ACRE					
	Livestock products	Forest products	Products used by family	All products	Crops	Livestock	Livestock products	Forest products	Products used by family
Massachusetts	198	89	136	28.8	7.9	3.0	14.7	0.5	2.7
Barnstable	216	16	124	23.2	11.5	1.1	9.1	0.1	1.4
Berkshire	102	71	77	24.0	1.7	3.1	15.3	0.8	3.1
Bristol	398	120	195	36.8	7.1	3.4	22.8	0.5	2.9
Dukes	48	44	39	16.9	1.4	1.5	10.9	0.8	2.3
Essex	318	68	179	23.3	5.5	2.0	13.5	0.2	2.0
Franklin	79	83	111	36.8	15.3	4.2	12.0	1.0	4.5
Hampden	112	63	116	28.9	11.2	2.5	11.5	0.5	3.2
Hampshire	105	92	124	32.2	14.4	2.7	10.9	0.7	3.4
Middlesex	320	91	172	25.7	7.6	3.6	12.5	0.3	1.8
Nantucket	145	--------	78	16.5	4.7	0.6	9.8	--------	1.4
Norfolk	589	92	237	23.3	2.4	1.9	16.9	0.2	1.8
Plymouth	295	139	154	30.8	13.6	1.8	13.2	0.5	1.8
Suffolk	1,170	--------	117	18.9	9.3	3.2	6.2	--------	0.2
Worcester	184	103	138	30.8	4.4	3.7	18.3	0.8	3.6
Rhode Island	233	73	132	28.7	4.3	3.0	18.2	0.4	2.7
Bristol	487	36	252	24.3	3.8	0.8	17.2	0.1	2.4
Kent	183	116	138	23.3	2.6	1.9	15.1	0.7	3.0
Newport	333	17	202	24.6	5.6	1.9	14.7	0.1	2.3
Providence	295	81	131	33.2	4.1	4.3	21.8	0.5	2.6
Washington	122	68	89	31.1	4.5	3.7	18.5	0.8	3.6
Connecticut	180	52	140	23.3	7.5	1.7	11.5	0.3	2.4
Fairfield	208	29	197	6.8	0.9	0.5	4.3	(1)	1.1
Hartford	200	39	168	32.8	20.7	1.2	8.8	0.1	1.9
Litchfield	174	41	113	27.2	2.8	2.7	18.3	0.3	3.1
Middlesex	143	109	160	25.6	5.0	2.1	13.7	0.8	4.0
New Haven	328	92	168	27.8	6.3	1.9	16.9	0.4	2.3
New London	136	39	113	28.2	2.5	3.1	18.2	0.4	4.0
Tolland	135	59	128	35.4	11.8	2.6	16.4	0.5	4.1
Windham	133	51	107	33.1	2.4	4.4	21.2	0.6	4.5

---

[1] Less than one-tenth of 1 per cent.

Table 33.—Cash Tenants With Relationship to Landlord Specified—per Acre; Ratio of Average Rent to Value of Farm Real Estate (Land 1929

	STATE AND COUNTY	ALL CASH TENANTS REPORTING AMOUNT OF RENT PAID								
		Farms reporting		Land in farms		Total amount of rent paid (dollars)	Average rent per acre and per cent distribution		Average value of all farm real estate per acre (dollars)	Ratio of average cash rent per acre to farm real estate per acre
		Number	Per cent of total farms	Number of acres	Per cent of total land in farms		Average rent (dollars)	New England=100		
1	**NEW ENGLAND.**	5,313	4.3	546,830	3.8	1,482,909	2.71	100	65.86	4.1
2	**Maine**	1,321	3.4	128,680	2.8	279,952	2.18	80	41.87	5.2
3	Androscoggin	93	4.0	7,808	3.6	14,066	1.80	66	46.24	3.9
4	Aroostook	298	4.6	26,211	3.0	122,480	4.67	172	76.94	6.1
5	Cumberland	73	3.3	5,336	2.5	16,664	3.12	115	65.44	4.8
6	Franklin	62	4.1	7,330	3.3	9,027	1.23	45	27.40	4.5
7	Hancock	22	1.7	1,846	1.2	2,497	1.35	50	32.21	4.2
8	Kennebec	111	3.1	10,042	2.7	17,851	1.78	66	37.68	4.7
9	Knox	53	2.9	4,014	2.8	6,977	1.74	64	40.77	4.3
10	Lincoln	47	2.5	4,642	2.7	4,901	1.06	39	31.44	3.4
11	Oxford	129	4.6	15,363	3.9	18,818	1.22	45	29.71	4.1
12	Penobscot	136	3.3	15,206	3.0	23,022	1.51	56	30.73	4.9
13	Piscataquis	33	3.6	5,063	3.3	6,882	1.36	50	23.33	5.8
14	Sagadahoc	22	2.7	1,685	1.8	4,140	2.46	91	31.36	7.8
15	Somerset	74	2.5	7,535	1.8	10,408	1.38	51	27.35	5.0
16	Waldo	70	2.8	7,607	2.6	8,500	1.12	41	23.05	4.9
17	Washington	24	1.5	2,821	1.2	2,634	0.93	34	21.27	4.4
18	York	74	3.4	6,171	2.8	11,085	1.80	66	51.69	3.5
19	**New Hampshire**	618	4.1	78,815	4.0	124,396	1.58	58	39.47	4.0
20	Belknap	25	3.3	2,314	2.2	4,778	2.06	76	37.75	5.5
21	Carroll	30	3.1	3,523	2.4	4,244	1.20	44	36.38	3.3
22	Cheshire	56	5.1	6,291	3.9	10,805	1.72	63	44.67	3.9
23	Coos	98	8.1	16,415	7.6	24,465	1.49	55	30.44	4.9
24	Grafton	107	5.2	18,544	5.3	24,173	1.30	48	30.22	4.3
25	Hillsborough	64	3.2	5,415	2.3	12,373	2.28	84	49.42	4.6
26	Merrimack	47	2.4	5,970	2.2	8,418	1.41	52	35.25	4.0
27	Rockingham	68	2.8	5,389	2.7	13,673	2.54	94	61.70	4.1
28	Strafford	40	4.2	4,879	4.8	9,959	2.04	75	49.74	4.1
29	Sullivan	83	6.2	10,075	5.8	11,508	1.14	42	29.09	3.9
30	**Vermont**	1,168	4.7	162,753	4.2	266,353	1.64	61	37.46	4.4
31	Addison	71	3.5	10,565	3.0	19,335	1.83	68	41.60	4.4
32	Bennington	53	5.6	9,745	6.0	14,128	1.45	54	49.11	3.0
33	Caledonia	118	5.7	14,968	5.0	21,958	1.47	54	33.91	4.3
34	Chittenden	74	4.0	7,025	2.5	21,230	3.02	111	53.11	5.7
35	Essex	38	6.6	8,267	7.2	10,001	1.21	45	25.82	4.7
36	Franklin	65	2.8	8,796	2.4	20,241	2.30	85	47.22	4.9
37	Grand Isle	26	6.0	2,742	6.0	7,151	2.61	96	88.32	3.0
38	Lamoille	46	3.2	4,922	2.5	8,498	1.73	64	29.97	5.8
39	Orange	132	5.7	18,605	5.3	25,644	1.38	51	25.71	5.4
40	Orleans	68	2.9	9,823	2.7	18,988	1.93	71	37.96	5.1
41	Rutland	141	6.6	23,152	6.1	35,664	1.54	57	36.87	4.2
42	Washington	118	5.4	13,679	4.5	27,453	2.01	74	35.42	5.7
43	Windham	84	5.0	11,101	3.9	13,247	1.19	44	28.70	4.1
44	Windsor	134	5.1	19,363	4.8	22,815	1.18	44	31.47	3.7

Farms Reporting; Acreage in Farms; Cash Rent Paid with Average
and Buildings) per Acre; for New England, by States and Counties,

CASH TENANTS REPORTING AMOUNT OF RENT PAID													
Not related to landlord							Ratio of average rent per acre to farm real estate per acre	Related to landlord					
Farms reporting		Land in farms		Total amount of rent paid (dollars)	Average rent per acre and per cent distribution			Farms reporting		Land in farms			
Number	Per cent of total farms	Number of acres	Per cent of total land in farms		Average rent (dollars)	New England = 100		Number	Per cent of total farms	Number of acres	Per cent of total land in farms		
3, 393	2. 7	354, 711	2. 5	935, 289	2. 64	100	4. 0	1, 370	1. 1	144, 502	1. 0	1
774	2. 0	76, 772	1. 7	150, 759	1. 96	74	4. 7	373	1. 0	38, 037	0. 8	2
57	2. 5	4, 140	1. 9	8, 289	2. 00	76	4. 3	28	1. 2	3, 148	1. 5	3
137	2. 1	12, 522	1. 4	51, 406	4. 11	156	5. 3	105	1. 6	9, 690	1. 1	4
40	1. 8	2, 871	1. 4	9, 610	3. 35	127	5. 1	28	1. 3	2, 046	1. 0	5
46	3. 0	6, 054	2. 7	6, 832	1. 13	43	4. 1	13	0. 8	1, 219	0. 6	6
8	0. 6	452	0. 3	1, 170	2. 59	98	8. 0	10	0. 8	1, 105	0. 7	7
69	1. 9	5, 860	1. 6	10, 745	1. 83	69	4. 9	23	0. 6	2, 542	0. 7	8
26	1. 4	1, 827	1. 3	3, 424	1. 87	71	4. 6	16	0. 9	1, 776	1. 2	9
28	1. 5	2, 456	1. 4	2, 625	1. 07	41	3. 4	14	0. 7	1, 862	1. 1	10
87	3. 1	10, 566	2. 7	13, 292	1. 26	48	4. 2	27	1. 0	3, 126	0. 8	11
84	2. 1	9, 764	1. 9	13, 733	1. 41	53	4. 6	34	0. 8	3, 533	0. 7	12
23	2. 5	3, 635	2. 4	4, 959	1. 36	52	5. 8	8	0. 9	1, 132	0. 7	13
17	2. 1	1, 220	1. 3	3, 156	2. 59	98	8. 3	4	0. 5	365	0. 4	14
54	1. 8	4, 971	1. 2	7, 261	1. 46	55	5. 3	17	0. 6	2, 253	0. 6	15
46	1. 8	5, 071	1. 7	5, 252	1. 04	39	4. 5	24	1. 0	2, 536	0. 9	16
14	0. 9	1, 823	0. 8	1, 656	0. 91	34	4. 3	6	0. 4	538	0. 2	17
38	1. 8	3, 540	1. 6	7, 349	2. 08	79	4. 0	16	0. 7	1, 166	0. 5	18
415	2. 8	54, 338	2. 8	83, 218	1. 53	58	3. 9	133	0. 9	18, 015	0. 9	19
18	2. 3	1, 584	1. 5	3, 635	2. 29	87	6. 1	6	0. 8	615	0. 6	20
15	1. 5	2, 578	1. 8	2, 426	0. 94	36	2. 6	5	0. 5	480	0. 3	21
38	3. 4	5, 152	3. 2	7, 432	1. 44	55	3. 2	11	1. 0	796	0. 5	22
72	5. 9	11, 655	5. 4	19, 590	1. 68	64	5. 5	19	1. 6	3, 690	1. 7	23
69	3. 3	12, 502	3. 6	14, 715	1. 18	45	3. 9	24	1. 2	4, 775	1. 4	24
41	2. 0	3, 073	1. 3	8, 270	2. 69	102	5. 4	19	0. 9	2, 047	0. 9	25
32	1. 6	3, 486	1. 3	4, 837	1. 39	53	3. 9	13	0. 7	2, 298	0. 8	26
43	1. 7	3, 114	1. 5	7, 247	2. 33	88	3. 8	17	0. 7	1, 214	0. 6	27
30	3. 2	3, 755	3. 7	7, 767	2. 07	78	4. 2	8	0. 8	1, 014	1. 0	28
57	4. 3	7, 439	4. 3	7, 299	0. 98	37	3. 4	11	0. 8	1, 086	0. 6	29
798	3. 2	110, 224	2. 8	177, 564	1. 61	61	4. 3	288	1. 2	44, 123	1. 1	30
44	2. 2	6, 315	1. 8	9, 602	1. 52	58	3. 7	21	1. 0	3, 410	1. 0	31
35	3. 7	6, 238	3. 9	8, 544	1. 37	52	2. 8	14	1. 5	2, 670	1. 6	32
84	4. 0	9, 029	3. 0	12, 627	1. 40	53	4. 1	29	1. 4	5, 225	1. 7	33
45	2. 4	4, 537	1. 6	12, 425	2. 74	104	5. 2	21	1. 1	1, 987	0. 7	34
25	4. 4	6, 393	5. 6	7, 826	1. 22	46	4. 7	11	1. 9	1, 297	1. 1	35
44	1. 9	5, 789	1. 6	14, 279	2. 47	94	5. 2	13	0. 6	1, 680	0. 5	36
14	3. 2	1, 599	3. 5	2, 909	1. 82	69	2. 1	11	2. 5	1, 105	2. 4	37
24	1. 7	2, 524	1. 3	5, 018	1. 99	75	6. 6	11	0. 8	1, 401	0. 7	38
80	3. 5	11, 780	3. 4	16, 917	1. 44	55	5. 6	41	1. 8	6, 100	1. 7	39
44	1. 9	6, 049	1. 7	12, 427	2. 05	78	5. 4	19	0. 8	3, 421	1. 0	40
109	5. 1	17, 718	4. 6	28, 520	1. 61	61	4. 4	29	1. 3	5, 108	1. 3	41
93	4. 3	10, 831	3. 6	20, 101	1. 86	70	5. 3	22	1. 0	2, 828	0. 9	42
56	3. 4	7, 125	2. 5	8, 262	1. 16	44	4. 0	23	1. 4	3, 689	1. 3	43
101	3. 8	14, 297	3. 6	18, 107	1. 27	48	4. 0	23	0. 9	4, 202	1. 0	44

TABLE 33.—CASH TENANTS WITH RELATIONSHIP TO LANDLORD SPECIFIED—
PER ACRE; RATIO OF AVERAGE RENT TO VALUE OF FARM REAL ESTATE (LAND
1929—Continued

	STATE AND COUNTY	ALL CASH TENANTS REPORTING AMOUNT OF RENT PAID								
		Farms reporting		Land in farm		Total amount of rent paid (dollars)	Average rent per acre and per cent distribution		Average value of all farm real estate per acre (dollars)	Ratio of average cash rent per acre to farm real estate per acre
		Number	Per cent of total farms	Number of acres	Per cent of total land in farms		Average rent (dollars)	New England = 100		
1	**Massachusetts**	**1,078**	**4.2**	**72,528**	**3.6**	**372,217**	**5.13**	**189**	**130.26**	**3.9**
2	Barnstable	6	1.2	226	1.0	1,067	4.72	174	230.69	2.0
3	Berkshire	108	6.7	15,929	6.3	38,731	2.43	90	64.41	3.8
4	Bristol	183	6.0	8,054	5.5	61,033	7.58	280	168.86	4.5
5	Dukes	4	6.0	289	1.8	485	1.68	62	42.31	4.0
6	Essex	108	5.3	4,310	3.7	39,036	9.06	334	227.31	4.0
7	Franklin	91	3.4	8,293	3.2	18,820	2.27	84	63.54	3.6
8	Hampden	54	3.0	4,166	2.5	23,679	5.68	210	94.13	6.0
9	Hampshire	109	4.2	10,425	4.5	24,024	2.30	85	93.53	2.5
10	Middlesex	137	4.0	6,257	3.1	78,440	12.54	463	247.91	5.1
11	Nantucket	2	8.7	526	14.2	550	1.05	39	143.20	0.7
12	Norfolk	43	3.8	1,331	2.4	15,929	11.97	442	336.65	3.6
13	Plymouth	70	4.0	2,051	2.0	21,587	10.53	389	216.96	4.9
14	Suffolk	4	14.8	99	13.7	2,650	26.77	988	1,815.16	1.5
15	Worcester	159	3.2	10,572	2.4	46,186	4.37	161	97.37	4.5
16	**Rhode Island**	**335**	**10.1**	**30,780**	**11.0**	**123,394**	**4.01**	**148**	**123.52**	**3.2**
17	Bristol	21	14.6	879	11.6	8,419	9.58	354	273.43	3.5
18	Kent	35	5.9	2,982	6.4	9,259	3.10	114	117.33	2.6
19	Newport	132	21.1	9,387	25.2	62,194	6.63	245	219.75	3.0
20	Providence	95	7.1	7,323	7.2	30,441	4.16	154	131.15	3.2
21	Washington	52	8.4	10,209	11.7	13,081	1.28	47	63.62	2.0
22	**Connecticut**	**793**	**4.6**	**73,274**	**4.9**	**316,597**	**4.32**	**159**	**151.38**	**2.9**
23	Fairfield	92	4.4	7,486	5.3	45,655	6.10	225	472.60	1.3
24	Hartford	163	4.4	9,561	3.8	110,760	11.58	427	220.17	5.3
25	Litchfield	135	6.2	21,581	7.7	55,013	2.55	94	92.59	2.8
26	Middlesex	28	2.2	2,039	2.0	5,526	2.71	100	100.78	2.7
27	New Haven	86	4.0	4,480	3.0	38,452	8.58	317	187.92	4.6
28	New London	133	5.7	14,217	5.7	28,447	2.00	74	72.32	2.8
29	Tolland	66	4.2	5,063	3.6	15,575	3.08	114	80.04	3.8
30	Windham	90	4.7	8,847	4.7	17,169	1.94	72	60.87	3.2

FARMS REPORTING; ACREAGE IN FARMS; CASH RENT PAID WITH AVERAGE AND BUILDINGS) PER ACRE; FOR NEW ENGLAND, BY STATES AND COUNTIES,

CASH TENENTS REPORTING AMOUNT OF RENT PAID												
Not related to landlord							Ratio of average rent per acre to farm real estate per acre	Related to landlord				
Farms reporting		Land in farms		Total amount of rent paid (dollars)	Average rent per acre and per cent distribution			Farms reporting		Land in farms		
Number	Per cent of total farms	Number of acres	Per cent of total land in farms		Average rent (dollars)	New England=100		Number	Per cent of total farms	Number of acres	Per cent of total land in farms	
640	**2.5**	**40,751**	**2.0**	**211,379**	**5.19**	**197**	**4.0**	**319**	**1.2**	**23,481**	**1.2**	1
5	1.0	223	1.0	1,057	4.74	180	2.1	----	----	----	----	2
54	3.4	7,256	2.9	19,289	2.66	101	4.1	37	2.3	5,036	2.0	3
109	3.6	5,242	3.6	38,281	7.30	277	4.3	46	1.5	1,730	1.2	4
2	3.0	89	0.6	85	.96	36	2.3	2	3.0	200	1.2	5
71	3.5	2,850	2.4	26,326	9.24	350	4.1	28	1.4	1,379	1.2	6
55	2.0	4,380	1.7	11,052	2.52	95	4.0	30	1.1	3,318	1.3	7
29	1.6	1,906	1.1	9,975	5.23	198	5.6	16	0.9	1,593	1.0	8
77	3.0	7,091	3.1	16,070	2.27	86	2.4	23	0.9	2,774	1.2	9
80	2.3	3,538	1.8	42,958	12.14	460	4.9	48	1.4	2,440	1.2	10
2	8.7	526	14.2	550	1.05	40	0.7	----	----	----	----	11
24	2.1	716	1.3	8,544	11.93	452	3.5	16	1.4	479	0.9	12
33	1.9	1,073	1.1	7,626	7.11	269	3.3	24	1.4	771	0.8	13
3	11.1	95	13.2	2,350	24.74	937	1.4	1	3.7	4	0.6	14
96	1.9	5,766	1.3	27,216	4.72	179	4.8	48	1.0	3,757	0.9	15
238	**7.2**	**23,463**	**8.4**	**96,339**	**4.11**	**156**	**3.3**	**56**	**1.7**	**3,536**	**1.3**	16
13	9.0	677	8.9	5,727	8.46	320	3.1	3	2.1	47	0.6	17
20	3.4	1,857	4.0	5,094	2.74	104	2.3	8	1.4	245	0.5	18
102	16.3	7,132	19.1	52,495	7.36	279	3.3	16	2.6	686	1.8	19
61	4.6	5,008	4.9	21,834	4.36	165	3.3	22	1.6	1,578	1.6	20
42	6.8	8,789	10.1	11,189	1.27	48	2.0	7	1.1	980	1.1	21
528	**3.1**	**49,163**	**3.3**	**216,030**	**4.39**	**166**	**2.9**	**201**	**1.2**	**17,310**	**1.2**	22
65	3.1	5,039	3.5	31,567	6.26	237	1.3	23	1.1	2,026	1.4	23
108	2.9	6,608	2.6	76,581	11.59	439	5.3	36	1.0	1,792	0.7	24
85	3.9	14,152	5.1	36,749	2.60	98	2.8	37	1.7	4,450	1.6	25
17	1.3	1,005	1.0	3,071	3.06	116	3.0	10	0.8	992	1.0	26
56	2.6	2,554	1.7	26,526	10.39	394	5.5	21	1.0	1,413	0.9	27
95	4.1	10,168	4.1	19,976	1.96	74	2.7	29	1.2	3,140	1.3	28
40	2.6	3,120	2.2	9,064	2.91	110	3.6	24	1.5	1,898	1.4	29
62	3.3	6,517	3.5	12,496	1.92	73	3.2	21	1.1	1,599	0.8	30

TABLE 33.—CASH TENANTS WITH RELATIONSHIP TO LANDLORD SPECIFIED—FARMS REPORTING; ACREAGE IN FARMS; CASH RENT PAID WITH AVERAGE PER ACRE; RATIO OF AVERAGE RENT TO VALUE OF FARM REAL ESTATE (LAND AND BUILDINGS) PER ACRE; FOR NEW ENGLAND, BY STATES AND COUNTIES, 1929—Continued

STATE AND COUNTY	CASH TENANTS REPORTING AMOUNT OF RENT PAID									
	Related to landlord—Continued				Relationship to landlord not reported					
	Total amount of rent paid (dollars)	Average rent per acre and per cent distribution		Ratio of average rent per acre to farm real estate per acre	Number of farms reporting	Land in farms (acres)	Total amount of rent paid (dollars)	Average rent per acre and per cent distribution		Ratio of average rent per acre to farm real estate per acre
		Average rent (dollars)	New England =100					Average rent (dollars)	New England =100	
NEW ENGLAND	**409, 598**	**2. 83**	**100**	**4. 3**	**550**	**47, 617**	**138, 022**	**2. 90**	**100**	**4. 4**
Maine	**94, 229**	**2. 48**	**88**	**5. 9**	**174**	**13, 871**	**34, 964**	**2. 52**	**87**	**6. 0**
Androscoggin	4, 902	1. 56	55	3. 4	8	520	875	1. 68	58	3. 6
Aroostook	50, 359	5. 20	184	6. 8	56	3, 999	20, 715	5. 18	179	6. 7
Cumberland	6, 199	3. 03	107	4. 6	5	419	855	2. 04	70	3. 1
Franklin	2, 090	1. 71	60	6. 2	3	57	105	1. 84	63	6. 7
Hancock	985	0. 89	31	2. 8	4	289	342	1. 18	41	3. 7
Kennebec	4, 735	1. 86	66	4. 9	19	1, 640	2, 371	1. 45	50	3. 8
Knox	2, 568	1. 45	51	3. 6	11	411	985	2. 40	83	5. 9
Lincoln	1, 809	0. 97	34	3. 1	5	324	467	1. 44	50	4. 6
Oxford	3, 674	1. 18	42	4. 0	15	1, 671	1, 852	1. 11	38	3. 7
Penobscot	6, 422	1. 82	64	5. 9	18	1, 909	2, 867	1. 50	52	4. 9
Piscataquis	1, 463	1. 29	46	5. 5	2	296	460	1. 55	53	6. 6
Sagadahoc	864	2. 37	84	7. 6	1	100	120	1. 20	41	3. 8
Somerset	2, 599	1. 15	41	4. 2	3	311	548	1. 76	61	6. 4
Waldo	3, 248	1. 28	45	5. 6	------	------	------	------	------	------
Washington	544	1. 01	36	4. 7	4	460	434	0. 94	32	4. 4
York	1, 768	1. 52	54	2. 9	20	1, 465	1, 968	1. 34	46	2. 6
New Hampshire	**28, 972**	**1. 61**	**57**	**4. 1**	**70**	**6, 462**	**12, 206**	**1. 89**	**65**	**4. 8**
Belknap	988	1. 61	57	4. 3	1	115	155	1. 35	47	3. 6
Carroll	1, 044	2. 18	77	6. 0	10	465	774	1. 66	57	4. 6
Cheshire	1, 909	2. 40	85	5. 4	7	343	1, 464	4. 27	147	9. 6
Coos	3, 625	0. 98	35	3. 2	7	1, 070	1, 250	1. 17	40	3. 8
Grafton	7, 270	1. 52	54	5. 0	14	1, 267	2, 188	1. 73	60	5. 7
Hillsborough	3, 512	1. 72	61	3. 5	4	295	591	2. 00	69	4. 0
Merrimack	3, 306	1. 44	51	4. 1	2	186	275	1. 48	51	4. 2
Rockingham	2, 974	2. 45	87	4. 0	8	1, 061	3, 452	3. 25	112	5. 3
Strafford	1, 862	1. 84	65	3. 7	2	110	330	3. 00	103	6. 0
Sullivan	2, 482	2. 29	81	7. 9	15	1, 550	1, 727	1. 11	38	3. 8
Vermont	**74, 560**	**1. 69**	**60**	**4. 5**	**82**	**8, 406**	**14, 229**	**1. 69**	**58**	**4. 5**
Addison	8, 588	2. 52	89	6. 1	6	840	1, 145	1. 36	47	3. 3
Bennington	4, 400	1. 65	58	3. 4	4	837	1, 184	1. 41	49	2. 9
Caledonia	7, 866	1. 51	53	4. 5	5	714	1, 465	2. 05	71	6. 0
Chittenden	6, 675	3. 36	119	6. 3	8	501	2, 130	4. 25	147	8. 0
Essex	1, 815	1. 40	49	5. 4	2	577	360	0. 62	21	2. 4
Franklin	3, 793	2. 26	80	4. 8	8	1, 327	2, 169	1. 63	56	3. 5
Grand Isle	4, 069	3. 68	130	4. 2	1	38	173	4. 55	157	5. 2
Lamoille	2, 229	1. 59	56	5. 3	11	997	1, 251	1. 25	43	4. 2
Orange	7, 685	1. 26	45	4. 9	11	725	1, 042	1. 44	50	5. 6
Orleans	5, 972	1. 75	62	4. 6	5	353	589	1. 67	58	4. 4
Rutland	6, 752	1. 32	47	3. 6	3	326	392	1. 20	41	3. 3
Washington	6, 727	2. 38	84	6. 7	3	20	625	31. 25	1, 078	88. 2
Windham	4, 560	1. 24	44	4. 3	5	287	425	1. 48	51	5. 2
Windsor	3, 429	0. 82	29	2. 6	10	864	1, 279	1. 48	51	4. 7

TABLE 33.—CASH TENANTS WITH RELATIONSHIP TO LANDLORD SPECIFIED—FARMS REPORTING; ACREAGE IN FARMS; CASH RENT PAID WITH AVERAGE PER ACRE; RATIO OF AVERAGE RENT TO VALUE OF FARM REAL ESTATE (LAND AND BUILDINGS) PER ACRE; FOR NEW ENGLAND, BY STATES AND COUNTIES, 1929—Continued

STATE AND COUNTY	CASH TENANTS REPORTING AMOUNT OF RENT PAID									
	Related to landlord—Continued				Relationship to landlord not reported					
	Total amount of rent paid (dollars)	Average rent per acre and per cent distribution		Ratio of average rent per acre to farm real estate per acre	Number of farms reporting	Land in farms (acres)	Total amount of rent paid (dollars)	Average rent per acre and per cent distribution		Ratio of average rent per acre to farm real estate per acre
		Average rent (dollars)	New England =100					Average rent (dollars)	New England =100	
Massachusetts	120,678	5.14	182	3.9	119	8,296	40,160	4.84	167	3.7
Barnstable	--------	--------	--------	--------	1	3	10	3.33	115	1.4
Berkshire	11,000	2.18	77	3.4	17	3,637	8,442	2.32	80	3.6
Bristol	12,756	7.37	260	4.4	28	1,082	9,996	9.24	319	5.5
Dukes	400	2.00	71	4.7	--------	--------	--------	--------	--------	--------
Essex	11,131	8.07	285	3.6	9	81	1,579	19.49	672	8.6
Franklin	7,272	2.19	77	3.4	6	595	496	0.83	29	1.3
Hampden	11,378	7.14	252	7.6	9	667	2,326	3.49	120	3.7
Hampshire	5,979	2.16	76	2.3	9	560	1,975	3.53	122	3.8
Middlesex	29,653	12.15	429	4.9	9	279	5,829	20.89	720	8.4
Nantucket	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------
Norfolk	6,665	13.91	492	4.1	3	136	720	5.29	182	1.6
Plymouth	9,115	11.82	418	5.4	13	207	4,846	23.41	807	10.8
Suffolk	300	75.00	2,650	4.1	--------	--------	--------	--------	--------	--------
Worcester	15,029	4.00	141	4.1	15	1,049	3,941	3.76	130	3.9
Rhode Island	13,907	3.93	139	3.2	41	3,781	13,148	3.48	120	2.8
Bristol	724	15.40	544	5.6	5	155	1,968	12.70	438	4.6
Kent	1,680	6.86	242	5.8	7	880	2,485	2.82	97	2.4
Newport	5,004	7.29	258	3.3	14	1,569	4,695	2.99	103	1.4
Providence	5,407	3.43	121	2.6	12	737	3,200	4.34	150	3.3
Washington	1,092	1.11	39	1.7	3	440	800	1.82	63	2.9
Connecticut	77,252	4.46	158	2.9	64	6,801	23,315	3.43	118	2.3
Fairfield	12,833	6.33	224	1.3	4	421	1,255	2.98	103	0.6
Hartford	24,509	13.68	483	6.2	19	1,161	9,670	8.33	287	3.8
Litchfield	11,336	2.55	90	2.8	13	2,979	6,928	2.33	80	2.5
Middlesex	2,215	2.23	79	2.2	1	42	240	5.71	197	5.7
New Haven	9,760	6.91	244	3.7	9	513	2,166	4.22	146	2.2
New London	7,130	2.27	80	3.1	9	909	1,341	1.48	51	2.0
Tolland	6,071	3.20	113	4.0	2	45	440	9.78	337	12.2
Windham	3,398	2.13	75	3.5	7	731	1,275	1.74	60	2.9

TABLE 34.—AVERAGE FARM EXPENDITURE FOR LABOR AND FERTILIZER PER ACRE, WITH INDEX NUMBER, PER CENT DISTRIBUTION OF THE AVERAGES, AND RATIO TO VALUE OF FARM REAL ESTATE (LAND AND BUILDINGS) PER ACRE, FOR NEW ENGLAND, BY STATES AND COUNTIES: 1899 TO 1929

STATE AND COUNTY	AVERAGE EXPENDITURE FOR LABOR [1] AND FERTILIZER [2] PER ACRE					INDEX NUMBER OF THE AVERAGE EXPENDITURE PER ACRE (1909 base=100 per cent)				
	1929	1924	1919	1909	1899	1929	1924	1919	1909	1899
NEW ENGLAND	**$4.57**	**$3.63**	**$3.65**	**$1.88**	**$1.22**	**243**	**193**	**194**	**100**	**65**
Maine	**3.52**	**2.69**	**2.81**	**1.36**	**0.55**	**259**	**198**	**207**	**100**	**40**
Androscoggin	1.89	1.73	1.52	1.19	0.85	159	145	128	100	71
Aroostook	10.85	9.59	10.69	3.44	0.94	315	279	311	100	27
Cumberland	3.53	2.02	2.18	1.37	0.84	258	147	159	100	61
Franklin	1.60	1.10	1.18	0.64	0.31	250	172	184	100	48
Hancock	1.84	1.39	1.24	0.76	0.39	242	183	163	100	51
Kennebec	1.99	1.54	1.48	1.35	0.61	147	114	110	100	45
Knox	1.45	1.04	1.31	0.99	0.53	146	105	132	100	54
Lincoln	0.92	0.86	0.75	0.63	0.33	146	137	119	100	52
Oxford	1.32	1.05	1.15	0.65	0.37	203	162	177	100	57
Penobscot	2.44	2.20	1.90	1.44	0.50	169	153	132	100	35
Piscataquis	2.19	1.52	1.38	1.28	0.41	171	119	108	100	32
Sagadahoc	1.20	0.87	1.16	1.07	0.70	112	81	108	100	65
Somerset	1.48	1.38	1.05	0.91	0.41	163	152	115	100	45
Waldo	1.35	1.03	1.07	1.14	0.40	118	90	94	100	35
Washington	1.62	0.95	0.90	0.70	0.32	231	136	129	100	46
York	2.11	1.21	1.30	0.94	0.65	224	129	138	100	69
New Hampshire	**2.26**	**1.53**	**1.61**	**0.99**	**0.74**	**228**	**155**	**163**	**100**	**75**
Belknap	2.60	1.34	1.44	0.90	0.63	289	149	160	100	70
Carroll	1.83	1.45	1.14	0.71	0.41	258	204	161	100	58
Cheshire	2.66	1.74	1.67	1.02	0.72	261	171	164	100	71
Coos	1.73	1.35	1.42	0.96	0.67	180	141	148	100	70
Grafton	1.71	1.34	1.50	0.84	0.65	204	160	179	100	77
Hillsborough	3.01	1.83	2.31	1.26	1.00	239	145	183	100	79
Merrimack	1.82	1.26	1.27	0.93	0.67	196	135	137	100	72
Rockingham	3.50	2.27	2.34	1.50	1.25	233	151	156	100	83
Strafford	3.29	1.50	1.75	1.12	0.88	294	134	156	100	79
Sullivan	1.37	1.10	1.11	0.63	0.55	217	175	176	100	87
Vermont	**1.59**	**1.36**	**1.57**	**0.89**	**0.76**	**179**	**153**	**176**	**100**	**85**
Addison	1.63	1.62	1.90	0.85	0.73	192	191	224	100	86
Bennington	2.19	1.35	1.89	0.90	0.79	243	150	210	100	88
Caledonia	1.42	1.31	1.48	0.84	0.84	169	156	176	100	100
Chittenden	2.39	2.03	2.50	1.46	1.20	164	139	171	100	82
Essex	1.15	0.90	1.22	0.59	0.55	195	153	207	100	93
Franklin	1.89	1.60	2.21	1.11	0.97	170	144	199	100	87
Grand Isle	2.44	1.82	2.39	1.18	1.11	207	154	203	100	94
Lamoille	1.13	0.87	1.14	0.68	0.60	166	128	168	100	88
Orange	1.05	0.86	1.26	0.68	0.63	154	126	185	100	93
Orleans	1.31	1.24	1.19	0.82	0.66	160	151	145	100	80
Rutland	1.59	1.69	1.61	0.88	0.78	181	192	183	100	89
Washington	1.50	1.43	1.28	0.91	0.79	165	157	141	100	87
Windham	1.88	1.28	1.32	0.80	0.62	235	160	165	100	78
Windsor	1.42	1.20	1.26	0.89	0.67	160	135	142	100	75
Massachusetts	**10.12**	**7.48**	**7.15**	**4.13**	**2.80**	**245**	**181**	**173**	**100**	**68**
Barnstable	18.65	11.58	8.08	6.76	3.44	276	171	120	100	51
Berkshire	3.62	2.68	1.60	2.05	1.28	177	131	78	100	62
Bristol	12.66	7.66	7.53	4.65	3.74	272	165	162	100	80
Dukes	1.75	2.08	1.42	1.86	0.70	94	112	76	100	38
Essex	18.35	15.87	12.27	7.55	5.01	243	210	163	100	66
Franklin	4.75	4.92	5.50	1.95	1.39	244	252	282	100	71
Hampden	7.20	6.42	7.48	2.60	1.82	277	247	288	100	70
Hampshire	8.68	7.99	7.73	3.08	1.88	282	259	251	100	61
Middlesex	23.28	17.17	14.68	7.80	6.27	298	220	188	100	80
Nantucket	6.02	2.77	1.85	2.13	1.46	283	130	87	100	69
Norfolk	22.03	15.36	13.90	7.64	5.14	288	201	182	100	67
Plymouth	17.85	10.31	9.55	6.78	4.55	263	152	141	100	67
Suffolk	267.21	358.43	119.26	75.39	32.10	354	475	158	100	43
Worcester	6.06	4.15	4.31	2.73	2.06	222	152	158	100	75
Rhode Island	**9.35**	**7.11**	**6.36**	**3.98**	**2.85**	**235**	**179**	**160**	**100**	**72**
Bristol	20.11	21.03	18.73	10.95	5.39	184	192	171	100	49
Kent	5.45	6.07	5.42	2.83	1.72	193	214	192	100	61
Newport	18.97	11.66	12.68	9.07	5.40	209	129	140	100	60
Providence	10.36	7.64	6.84	4.77	4.03	217	160	143	100	84
Washington	5.20	3.84	3.02	1.61	1.22	323	239	188	100	76
Connecticut	**10.26**	**8.17**	**8.40**	**3.42**	**2.24**	**300**	**239**	**246**	**100**	**65**
Fairfield	12.43	8.28	9.18	4.74	3.07	262	175	194	100	65
Hartford	29.05	28.81	27.36	8.47	4.45	343	340	323	100	53
Litchfield	4.32	3.63	3.45	1.67	1.50	259	217	207	100	90
Middlesex	10.79	4.46	6.59	2.91	1.82	371	153	226	100	63
New Haven	12.03	8.43	8.05	4.02	3.00	299	210	200	100	75
New London	3.14	2.49	2.98	1.70	1.37	185	146	175	100	81
Tolland	6.79	4.12	4.63	1.69	1.15	402	244	274	100	68
Windham	2.82	1.96	2.32	1.58	1.21	178	124	147	100	77

[1] For 1929 the data refer to cash expended; for 1919 and 1909 to cash expended and (or) value of rent and board furnished; for 1899 to cash and value of board furnished.

[2] For 1929 the question specifically called for amount expended for commercial fertilizer, manure, marl, lime, and ground limestone; for 1910, manure and fertilizer; and for 1899, fertilizers.

TABLE 34.—AVERAGE FARM EXPENDITURE FOR LABOR AND FERTILIZER PER ACRE, WITH INDEX NUMBER, PER CENT DISTRIBUTION OF THE AVERAGES, AND RATIO TO VALUE OF FARM REAL ESTATE (LAND AND BUILDINGS) PER ACRE, FOR NEW ENGLAND, BY STATES AND COUNTIES: 1899 TO 1929—Contd.

STATE AND COUNTY	MEASUREMENT OF CHANGES IN PERCENTAGES OF THE AVERAGE EXPENDITURE PER ACRE (New England base=100 per cent)					RATIO OF THE AVERAGE EXPENDITURE FOR LABOR AND FERTILIZER TO THE AVERAGE VALUE OF FARM REAL ESTATE PER ACRE (Per cent)				
	1929	1924	1919	1909	1899	1929	1924	1919	1909	1899
NEW ENGLAND	**100**	**100**	**100**	**100**	**100**	**6.9**	**6.4**	**6.8**	**5.2**	**4.7**
Maine	**77**	**74**	**77**	**72**	**45**	**8.4**	**7.0**	**7.5**	**5.4**	**3.6**
Androscoggin	41	48	42	63	70	4.1	3.6	4.0	4.3	3.7
Aroostook	237	264	293	183	77	14.1	13.8	14.5	8.3	6.7
Cumberland	77	56	60	73	69	5.4	3.5	4.3	3.6	3.3
Franklin	35	30	32	34	25	5.8	4.1	4.8	4.0	3.5
Hancock	40	38	34	40	32	5.7	5.1	3.6	3.7	2.9
Kennebec	44	42	41	72	50	5.3	4.1	4.1	4.9	3.1
Knox	32	29	36	53	43	3.6	2.8	3.8	3.4	2.6
Lincoln	20	24	21	34	27	2.9	2.8	2.5	3.0	2.1
Oxford	29	29	32	35	30	4.4	3.8	4.5	3.8	3.2
Penobscot	53	61	52	77	41	7.9	7.4	6.3	6.5	3.6
Piscataquis	48	42	38	68	34	9.4	6.2	5.9	7.4	4.0
Sagadahoc	26	24	32	57	57	3.8	3.1	3.7	3.7	4.0
Somerset	32	38	29	48	34	5.4	5.2	4.4	5.2	3.8
Waldo	30	28	29	61	33	5.9	4.8	4.8	6.4	3.1
Washington	35	26	25	37	26	7.6	4.3	3.9	4.7	3.2
York	46	33	36	50	53	4.1	2.4	3.0	2.7	2.6
New Hampshire	**49**	**42**	**44**	**53**	**61**	**5.7**	**4.0**	**4.7**	**3.7**	**3.8**
Belknap	57	37	39	48	52	6.9	4.2	4.2	3.3	3.3
Carroll	40	40	31	38	34	5.0	4.2	3.3	3.1	3.1
Cheshire	58	48	46	54	59	6.0	4.3	4.3	3.9	3.8
Coos	38	37	39	51	55	5.7	4.9	5.0	4.6	4.7
Grafton	37	37	41	45	53	5.7	4.7	5.7	4.2	4.5
Hillsborough	66	50	63	67	82	6.1	3.8	5.8	3.9	4.1
Merrimack	40	35	35	49	55	5.2	3.7	4.1	3.6	3.5
Rockingham	77	63	64	80	102	5.7	3.5	4.3	3.4	3.5
Strafford	72	41	48	60	72	6.6	3.2	4.9	3.9	3.4
Sullivan	30	30	30	34	45	4.7	3.9	4.2	3.2	4.1
Vermont	**35**	**37**	**43**	**47**	**62**	**4.2**	**3.9**	**4.2**	**3.7**	**4.3**
Addison	36	45	52	45	60	3.9	4.4	4.2	2.9	3.2
Bennington	48	37	52	48	65	4.5	4.0	5.1	3.5	4.5
Caledonia	31	36	41	45	69	4.2	3.9	4.1	3.8	5.4
Chittenden	52	56	68	78	98	4.5	4.2	4.5	4.0	4.1
Essex	25	25	33	31	45	4.5	3.9	5.0	4.1	5.2
Franklin	41	44	61	59	80	4.0	3.4	4.0	3.4	4.0
Grand Isle	53	50	65	63	91	2.8	2.4	2.9	2.1	2.7
Lamoille	25	24	31	36	49	3.8	2.8	3.2	3.3	4.5
Orange	23	24	35	36	52	4.1	3.5	4.9	3.9	4.9
Orleans	29	34	33	44	54	3.5	3.1	2.8	3.6	4.2
Rutland	35	47	44	47	64	4.3	4.8	5.0	3.7	3.9
Washington	33	39	35	48	65	4.2	3.9	3.5	4.0	4.9
Windham	41	35	36	43	51	6.6	4.7	5.1	4.4	4.6
Windsor	31	33	35	47	55	4.5	4.4	4.6	4.4	5.0
Massachusetts	**221**	**206**	**196**	**220**	**230**	**7.8**	**7.0**	**7.2**	**6.1**	**5.6**
Barnstable	408	319	221	360	282	8.1	7.7	8.0	8.4	7.6
Berkshire	79	74	44	109	105	5.6	4.9	2.9	4.8	4.2
Bristol	277	211	206	247	307	7.5	5.7	6.1	6.0	6.3
Dukes	38	57	39	99	57	4.1	5.2	4.3	6.5	3.2
Essex	402	437	336	402	411	8.1	8.3	5.6	5.9	5.6
Franklin	104	136	151	104	114	7.5	8.0	10.5	6.3	5.9
Hampden	158	177	205	138	149	7.6	6.8	10.1	5.4	5.7
Hampshire	190	220	212	164	154	9.3	8.7	10.4	7.6	6.0
Middlesex	509	473	402	415	514	9.4	9.1	9.1	7.4	6.2
Nantucket	132	76	51	113	120	4.2	6.0	4.5	7.5	5.0
Norfolk	482	423	381	406	421	6.5	6.5	5.8	4.8	4.9
Plymouth	391	284	262	361	373	8.2	6.1	6.7	7.0	7.9
Suffolk	5,847	9,874	3,267	4,010	2,631	14.7	16.2	10.7	5.4	3.1
Worcester	133	114	118	145	169	6.2	4.7	6.0	5.3	4.9
Rhode Island	**205**	**196**	**174**	**212**	**234**	**7.6**	**7.9**	**8.0**	**6.3**	**5.6**
Bristol	440	579	513	582	442	7.4	8.4	7.7	6.5	4.1
Kent	119	167	148	151	141	4.6	5.9	8.0	5.6	4.7
Newport	415	321	347	482	443	8.6	7.6	8.1	6.1	5.1
Providence	227	210	187	254	330	7.9	8.9	8.4	7.2	6.7
Washington	114	106	83	86	100	8.2	7.5	7.2	5.0	4.6
Connecticut	**225**	**225**	**230**	**182**	**184**	**6.8**	**7.4**	**8.4**	**5.4**	**5.3**
Fairfield	272	228	252	252	252	2.6	3.6	4.1	3.2	3.8
Hartford	636	794	750	451	365	13.2	14.8	15.3	9.0	7.1
Litchfield	95	100	95	89	123	4.7	5.5	6.1	4.0	5.3
Middlesex	236	123	181	155	149	10.7	5.2	9.5	6.4	5.4
New Haven	263	232	221	214	246	6.4	6.6	6.8	5.5	5.7
New London	69	69	82	90	112	4.3	4.0	6.1	5.3	5.1
Tolland	149	113	127	90	94	8.5	5.6	8.0	5.0	4.8
Windham	62	54	64	84	99	4.6	3.8	5.3	5.0	4.7

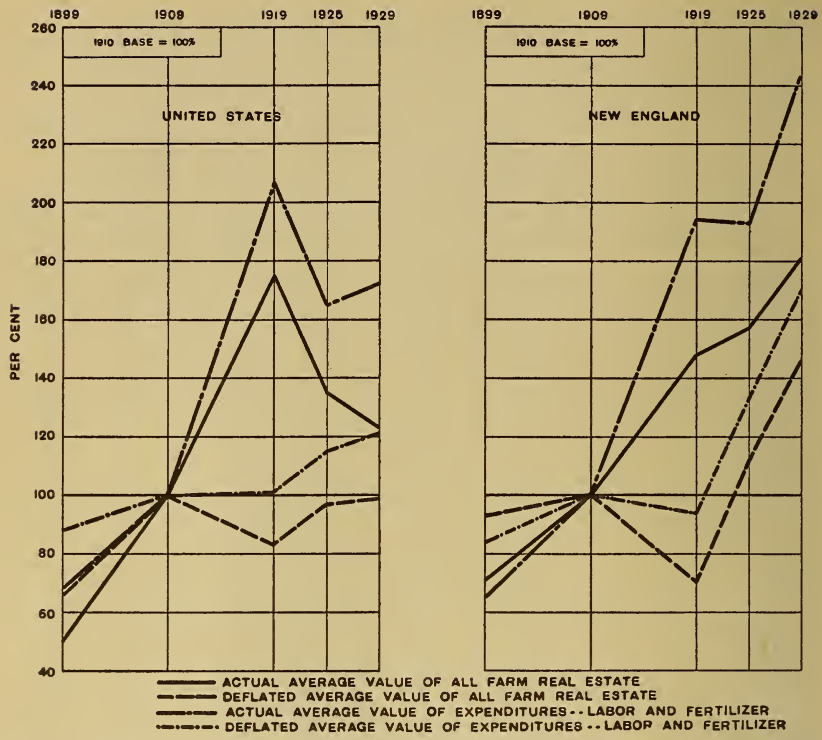

FIGURE 21.—TREND IN THE AVERAGE EXPENDITURE FOR LABOR AND FERTILIZER, PER ACRE, AND THE AVERAGE VALUE OF ALL FARM REAL ESTATE (LAND AND BUILDINGS) PER ACRE, IN PER CENTS (1910=100), FOR THE UNITED STATES AND THE NEW ENGLAND STATES: 1899–1929

TABLE 35.—PER CENT WHICH THE NUMBER OF FARMS OF EACH TYPE IS OF THE TOTAL NUMBER OF ALL FARMS, FOR NEW ENGLAND, BY STATES AND COUNTIES, 1930

STATE AND COUNTY	General	Cash-grain	Crop-specialty	Fruit	Truck	Dairy	Animal-specialty	Poultry	Self-sufficing	ABNORMAL						Unclassified
										Total	Institution or country estate	Part-time	Boarding and lodging	Forest-product	Horse farm, feed lot, or livestock dealer	
NEW ENGLAND	13.7	(1)	9.7	2.1	2.6	31.9	1.6	8.0	8.9	18.5	0.7	14.6	0.8	1.9	0.5	2.8
Maine	19.4	(1)	20.4	1.8	1.0	16.9	1.8	5.3	10.4	20.6	0.2	16.2	0.7	3.0	0.5	2.4
Androscoggin	16.7	----	3.4	1.9	1.1	23.0	2.9	5.6	11.2	27.1	0.3	24.8	0.6	0.8	0.6	7.1
Aroostook	2.0	0.2	86.7	(1)	0.1	0.7	----	0.1	4.4	5.0	0.1	3.8	0.1	1.0	0.1	0.9
Cumberland	22.2	----	2.5	1.6	3.6	29.1	2.1	13.3	6.6	16.3	0.4	11.0	1.5	2.8	0.6	2.7
Franklin	30.6	----	2.5	2.7	1.9	21.0	3.8	1.8	11.0	22.3	0.1	16.8	0.9	4.2	0.3	2.4
Hancock	21.6	----	1.4	5.2	0.8	18.4	1.0	7.8	12.1	29.6	0.4	24.8	0.5	3.4	0.5	2.2
Kennebec	22.7	----	5.1	1.1	0.9	26.9	2.3	5.2	12.9	20.2	0.3	16.9	0.6	1.6	0.7	2.8
Knox	17.4	----	1.7	3.4	0.9	13.7	1.1	10.9	14.2	34.1	0.4	31.6	0.5	1.6	0.1	2.5
Lincoln	14.4	----	2.8	0.5	0.6	11.1	3.3	16.9	18.3	27.9	----	24.0	1.1	2.4	0.4	4.2
Oxford	24.9	----	2.4	2.5	2.2	18.6	1.5	3.8	12.0	29.9	0.2	22.5	1.4	4.5	1.3	2.2
Penobscot	18.3	0.1	22.8	0.7	0.9	24.5	1.6	2.4	6.9	20.1	(1)	15.8	0.4	3.4	0.4	1.7
Piscataquis	19.4	----	22.1	0.1	----	15.3	3.9	2.8	9.9	25.7	----	15.3	0.1	10.0	0.3	0.8
Sagadahoc	21.3	----	2.8	0.5	0.6	20.0	0.7	8.1	15.0	25.0	0.4	21.0	1.1	1.6	1.0	5.9
Somerset	34.0	(1)	6.3	0.4	1.0	16.5	2.6	2.3	10.9	23.9	0.1	16.6	0.9	5.4	0.9	2.1
Waldo	26.2	----	12.1	2.0	0.6	17.8	1.4	7.2	11.7	17.6	0.1	14.2	0.4	2.7	0.2	3.3
Washington	27.7	----	8.2	11.4	0.1	8.5	0.6	3.4	14.6	24.5	0.1	16.0	0.4	7.6	0.4	0.9
York	23.2	----	3.0	1.8	1.1	22.3	3.3	9.6	13.0	21.7	0.2	16.9	1.1	2.9	0.7	1.0

[1] Less than one-tenth of 1 per cent.

TABLE 35.—PER CENT WHICH THE NUMBER OF FARMS OF EACH TYPE IS OF THE TOTAL NUMBER OF ALL FARMS, FOR NEW ENGLAND, BY STATES AND COUNTIES, 1930—Continued

STATE AND COUNTY	General	Cash-grain	Crop-specialty	Fruit	Truck	Dairy	Animal-specialty	Poultry	Self-sufficing	ABNORMAL						Unclassified
										Total	Institution or country estate	Part-time	Boarding and lodging	Forest-product	Horse farm, feed lot, or livestock dealer	
New Hampshire	14.9	----	3.2	1.8	0.9	29.1	1.8	10.9	12.2	22.4	0.6	16.3	1.7	3.1	0.7	2.8
Belknap	18.4	----	5.9	2.0	1.4	28.6	3.1	9.0	8.6	21.3	0.5	14.0	2.7	2.3	1.7	1.7
Carroll	19.0	----	2.0	0.5	0.5	11.3	4.1	6.5	20.8	33.0	0.9	23.9	4.6	3.2	0.5	2.2
Cheshire	18.2	----	3.2	0.5	1.2	27.9	2.6	7.9	13.6	22.0	1.6	14.8	1.7	3.5	0.3	2.9
Coos	10.8	----	4.4	0.2	0.3	55.4	3.1	1.1	5.5	17.6	0.2	11.0	1.2	4.4	0.7	1.6
Grafton	12.8	----	3.6	0.4	0.2	42.5	1.6	3.5	10.7	21.1	0.7	13.7	2.3	3.0	1.4	3.7
Hillsborough	13.7	----	1.3	6.2	1.7	24.4	1.6	23.0	10.7	15.8	0.5	11.6	0.7	2.9	0.1	1.6
Merrimack	18.5	----	1.8	1.7	0.4	21.1	2.3	12.0	13.9	24.5	0.6	18.5	1.5	3.9	0.2	4.0
Rockingham	12.7	----	3.9	2.6	1.8	23.3	0.4	18.1	10.5	23.8	0.2	18.7	1.3	2.7	0.9	2.7
Strafford	15.6	----	4.4	1.3	0.9	27.1	0.3	10.3	17.2	20.4	0.4	15.8	0.8	2.6	0.7	2.4
Sullivan	14.4	----	3.7	0.2	0.4	29.5	1.5	5.0	14.3	27.6	0.4	22.6	1.3	2.9	0.5	3.5
Vermont	10.6	----	3.4	0.5	0.4	57.9	1.8	1.8	5.9	16.1	0.2	13.6	0.6	1.2	0.4	1.6
Addison	9.2	----	2.2	1.4	0.2	60.8	3.0	1.3	5.5	13.6	0.2	11.5	0.6	1.0	0.3	2.8
Bennington	17.2	----	3.5	0.4	0.5	39.8	1.2	2.8	13.3	18.6	0.7	16.3	1.1	0.5	----	2.7
Caledonia	7.4	----	3.5	(1)	0.5	61.2	0.7	3.1	3.8	17.9	(1)	16.0	0.3	0.8	0.8	1.8
Chittenden	5.6	----	2.1	0.8	1.9	66.9	0.8	1.6	6.4	12.3	0.3	10.0	0.8	0.9	0.3	1.5
Essex	13.6	----	3.5	----	----	57.5	2.3	0.5	7.9	13.8	----	10.0	0.5	3.1	0.2	0.9
Franklin	5.0	----	4.1	0.2	0.3	74.6	0.4	0.8	2.6	10.8	(1)	9.8	0.3	0.6	0.1	1.0
Grand Isle	8.1	----	1.8	3.0	0.2	65.2	1.4	0.7	7.4	11.3	----	8.5	2.5	----	0.2	0.9
Lamoille	12.6	----	4.8	0.1	----	59.6	1.3	1.2	2.8	15.9	0.1	13.6	0.6	1.4	0.2	1.6
Orange	13.4	----	3.6	0.3	0.1	52.1	3.9	2.1	5.4	17.2	(1)	14.7	0.6	1.3	0.6	1.9
Orleans	7.7	----	2.6	0.1	0.1	71.8	2.3	0.6	2.3	11.9	(1)	10.4	0.6	0.6	0.3	0.7
Rutland	7.3	----	2.9	0.7	0.9	57.7	1.8	2.0	7.9	16.7	0.4	13.6	0.9	1.0	0.9	1.9
Washington	11.9	----	3.5	(1)	0.2	55.6	1.1	1.7	4.3	20.1	0.1	17.0	0.4	2.1	0.5	1.6
Windham	19.8	----	5.6	1.7	0.4	33.8	2.2	2.6	11.2	21.6	0.2	17.0	1.0	2.9	0.4	1.3
Windsor	14.4	----	3.6	0.3	0.3	47.1	2.7	2.9	8.3	19.3	0.2	16.8	0.5	1.6	0.3	1.1
Massachusetts	10.5	0.1	4.8	4.6	7.0	30.4	1.4	13.1	6.9	17.1	1.4	13.5	0.6	1.1	0.5	4.0
Barnstable	5.8	----	----	44.6	7.2	12.6	----	14.5	----	10.1	1.9	8.3	----	----	----	5.2
Berkshire	13.0	0.1	1.5	1.1	1.4	42.4	2.4	5.9	11.8	17.9	2.0	12.2	1.3	2.0	0.4	2.6
Bristol	9.2	----	1.8	2.0	10.7	32.8	1.3	18.4	5.0	12.8	0.4	10.3	0.3	1.4	0.4	6.1
Dukes	23.9	----	----	1.5	4.5	41.8	3.0	6.0	3.0	7.5	----	4.5	3.0	----	----	9.0
Essex	12.5	----	1.3	4.2	10.8	29.2	1.4	14.9	2.9	16.9	3.7	11.6	0.5	0.5	0.6	5.8
Franklin	11.9	----	13.5	2.4	6.4	23.8	0.5	3.8	11.2	24.1	0.2	21.6	1.0	1.2	0.2	2.4
Hampden	11.0	----	6.1	2.0	5.8	25.4	2.2	9.5	10.9	22.0	0.7	18.5	0.9	1.2	0.6	5.2
Hampshire	9.3	0.6	18.9	1.5	7.0	25.5	1.5	7.4	10.8	15.0	0.5	12.3	0.5	1.5	0.3	2.4
Middlesex	13.0	----	1.4	7.2	12.2	28.6	1.7	16.3	2.0	12.6	1.8	8.7	0.5	0.8	0.8	5.1
Nantucket	4.3	----	----	4.3	4.3	69.6	----	----	4.3	----	----	----	----	----	----	13.0
Norfolk	7.4	----	0.4	2.4	6.6	29.3	1.2	23.7	3.5	18.3	5.9	10.8	0.6	0.4	0.6	7.5
Plymouth	8.9	----	1.7	14.3	6.0	22.6	0.8	25.3	3.6	12.6	0.6	10.0	0.4	1.1	0.5	4.3
Suffolk	----	----	7.4	----	44.4	7.4	----	----	----	22.2	11.1	----	----	----	11.1	18.5
Worcester	9.5	----	1.7	2.8	2.6	39.2	1.4	12.2	8.4	20.3	1.1	16.8	0.6	1.3	0.6	1.8
Rhode Island	11.5	----	1.1	2.4	5.2	35.6	1.4	13.9	10.2	13.8	0.9	11.1	0.2	1.1	0.5	4.8
Bristol	11.1	----	----	2.1	11.1	43.8	----	12.5	----	18.1	4.9	12.5	----	----	0.7	1.4
Kent	11.7	----	----	1.0	3.4	24.5	2.0	20.1	12.3	19.4	1.0	16.0	0.3	1.7	0.3	5.6
Newport	12.2	----	1.8	0.6	7.5	53.8	0.6	6.7	4.5	8.5	0.8	6.9	----	0.2	0.6	3.8
Providence	8.1	----	1.0	4.3	5.7	32.9	1.0	11.7	13.2	15.6	0.7	13.4	0.2	0.8	0.4	6.4
Washington	18.2	----	1.8	1.3	2.3	31.9	3.1	20.5	10.0	8.9	0.5	5.6	----	2.3	0.5	2.3
Connecticut	9.7	----	9.2	1.8	3.6	32.0	1.3	11.8	9.8	17.2	1.7	13.5	1.0	0.7	0.4	3.5
Fairfield	8.8	----	1.2	1.7	3.7	30.1	0.5	9.9	11.9	27.5	9.2	16.9	0.9	0.3	0.2	4.5
Hartford	5.1	----	31.7	2.8	3.8	22.5	0.9	7.6	7.8	14.3	0.7	12.5	0.5	0.2	0.3	3.4
Litchfield	11.4	----	3.5	1.4	1.1	53.0	2.4	9.2	6.2	9.2	1.0	6.1	0.9	0.6	0.7	2.5
Middlesex	14.7	----	3.3	1.0	1.9	23.1	0.4	13.5	13.5	27.3	0.6	21.6	3.2	1.8	0.1	1.4
New Haven	11.6	----	1.9	3.9	11.8	32.7	0.9	15.3	6.5	11.5	0.7	8.5	0.9	1.0	0.4	4.0
New London	11.6	----	2.1	0.8	2.1	35.6	2.1	12.5	12.4	17.0	0.6	14.4	1.0	0.5	0.4	3.8
Tolland	9.8	----	7.7	0.8	1.0	29.4	1.5	11.8	11.4	22.2	0.2	19.7	0.6	1.2	0.5	4.6
Windham	10.1	----	2.2	0.9	1.5	31.7	1.7	19.0	12.1	17.1	0.8	14.6	0.6	0.6	0.5	3.7

---

[1] Less than one-tenth of 1 per cent.

TABLE 36.—AVERAGE VALUE OF ALL FARM REAL ESTATE (LAND AND BUILDINGS) PER ACRE, CLASSIFIED ACCORDING TO TYPE OF FARM, FOR NEW ENGLAND, BY STATES AND COUNTIES, 1930

STATE AND COUNTY											ABNORMAL						
	All types[1]	General	Cash-grain	Crop-specialty	Fruit	Truck	Dairy	Animal-specialty	Poultry	Self-sufficing	Total	Institution or country estate	Part-time	Boarding and lodging	Forest-product	Horse farm, feed lot, or live-stock dealer	Unclassified
NEW ENGLAND[1]	**$64**	**$42**	**$63**	**$77**	**$103**	**$215**	**$54**	**$38**	**$107**	**$48**	**$91**	**$388**	**$67**	**$93**	**$23**	**$58**	**$138**
Maine [1]	**42**	**29**	**55**	**65**	**31**	**58**	**37**	**27**	**46**	**32**	**35**	**154**	**40**	**82**	**18**	**43**	**51**
Androscoggin	46	36	----	40	43	90	43	41	66	51	59	191	66	80	13	33	50
Aroostook	77	36	69	81	(2)	220	45	----	160	33	34	123	39	38	21	40	38
Cumberland	61	49	----	67	116	123	61	40	61	51	67	131	64	114	39	115	482
Franklin	27	25	----	28	30	35	31	26	37	25	26	(2)	39	52	13	16	42
Hancock	32	27	----	29	22	17	37	27	37	33	37	1,218	31	53	17	152	42
Kennebec	38	32	----	35	55	47	41	27	44	36	43	102	41	89	19	49	36
Knox	40	34	----	48	32	75	46	24	48	34	45	170	39	86	28	(2)	67
Lincoln	32	28	----	30	32	42	31	22	39	29	34	-----	34	74	20	46	27
Oxford	30	25	----	30	32	50	30	23	41	32	32	59	40	59	19	43	31
Penobscot	30	27	30	30	38	43	33	22	49	31	29	(2)	35	49	16	47	52
Piscataquis	23	21	----	25	(2)	----	29	23	29	20	19	-----	27	(2)	16	18	43
Sagadahoc	32	26	----	26	54	101	32	17	37	36	36	240	31	56	13	40	28
Somerset	27	25	(2)	30	26	39	31	22	40	28	26	(2)	31	83	17	23	31
Waldo	23	21	----	20	29	38	24	22	34	24	24	(2)	29	74	13	19	20
Washington	21	22	----	26	17	(2)	28	18	26	24	18	(2)	30	51	12	27	40
York	51	47	----	43	54	89	51	35	63	43	64	157	58	176	36	73	140
New Hampshire	**39**	**32**	----	**36**	**53**	**85**	**36**	**29**	**59**	**35**	**46**	**100**	**46**	**69**	**23**	**32**	**66**
Belknap	37	29	----	27	51	67	37	23	43	34	48	93	36	70	19	37	74
Carroll	37	27	----	41	51	54	42	26	46	29	46	75	32	97	22	40	25
Cheshire	45	29	----	41	38	82	42	37	68	37	65	194	47	42	30	38	40
Coos	30	30	----	33	(2)	363	29	40	90	31	31	100	33	73	21	28	48
Grafton	30	25	----	24	25	27	30	22	40	28	38	104	33	59	16	36	33
Hillsborough	49	41	----	58	54	97	43	43	64	39	55	113	58	70	26	55	127
Merrimack	35	28	----	35	37	101	35	27	51	34	40	58	45	58	24	26	45
Rockingham	61	54	----	60	76	97	58	39	74	60	60	108	78	112	30	29	86
Strafford	44	38	----	40	42	118	46	48	53	38	47	128	50	36	25	31	382
Sullivan	29	22	----	23	66	59	29	20	37	27	34	35	41	41	16	31	52
Vermont	**37**	**28**	----	**31**	**105**	**120**	**37**	**29**	**60**	**38**	**49**	**148**	**49**	**102**	**16**	**41**	**43**
Addison	42	29	----	35	121	178	42	35	59	44	50	101	66	86	19	24	40
Bennington	49	36	----	33	120	36	37	43	54	32	127	257	50	113	20	------	36
Caledonia	34	30	----	27	(2)	125	33	23	76	41	46	(2)	48	66	30	47	25
Chittenden	52	48	----	37	157	186	48	43	250	108	97	511	85	186	21	80	247
Essex	26	23	----	19	----	----	27	19	35	37	24	-----	36	17	17	(2)	36
Franklin	47	40	----	36	250	276	46	53	70	69	84	(2)	112	305	18	41	63
Grand Isle	88	91	----	130	174	(2)	81	80	78	103	144	-----	111	190	----	(2)	78
Lamoille	31	24	----	26	(2)	----	31	30	77	36	34	(2)	51	192	10	250	11
Orange	25	21	----	29	28	108	26	23	38	28	28	(2)	31	83	14	19	41
Orleans	38	36	----	38	204	(2)	37	31	95	52	46	(2)	46	208	23	59	72
Rutland	37	26	----	31	177	106	33	31	76	41	61	125	63	86	19	58	30
Washington	35	25	----	31	(2)	102	37	27	57	30	34	95	43	33	13	84	83
Windham	29	24	----	30	51	98	30	20	49	24	30	41	35	42	18	25	31
Windsor	32	25	----	29	18	70	31	30	43	35	41	101	45	65	15	42	26
Massachusetts [1]	**125**	**94**	**69**	**143**	**183**	**279**	**95**	**68**	**213**	**71**	**168**	**342**	**125**	**108**	**46**	**110**	**342**
Barnstable	238	182	----	----	296	216	164	----	254	----	244	271	178	----	----	------	164
Berkshire	64	50	(2)	65	94	131	58	43	100	42	95	189	64	50	25	23	99
Bristol	165	143	----	111	193	185	141	68	285	172	209	425	200	298	119	198	277
Dukes	36	18	----	----	(2)	215	74	(2)	73	(2)	156	-----	156	(2)	----	------	63
Essex	216	145	----	116	188	296	152	112	318	176	405	507	353	242	52	202	566
Franklin	63	46	----	123	56	279	46	49	69	48	65	108	68	104	28	46	67
Hampden	92	52	----	144	92	316	79	65	159	61	94	190	90	99	27	130	156
Hampshire	93	62	69	220	119	341	66	46	138	61	87	261	89	91	27	81	119
Middlesex	224	217	----	188	180	390	160	168	298	159	312	469	238	172	66	224	1,006
Nantucket	124	(2)	----	----	(2)	(2)	124	----	----	(2)	-----	-----	----	----	----	------	178
Norfolk	313	190	----	177	339	314	202	161	360	212	592	771	303	421	173	348	1,131
Plymouth	214	169	----	180	238	232	198	238	314	176	152	171	224	150	61	112	334
Suffolk	1,212	----	----	(2)	----	914	(2)	----	----	----	1,410	1,405	----	----	----	1,467	6,048
Worcester	96	99	----	101	160	163	79	62	136	79	120	178	126	102	47	74	383

[1] Unclassified not included.

[2] Average value not shown to avoid disclosure of individual operations.

TABLE 36.—AVERAGE VALUE OF ALL FARM REAL ESTATE (LAND AND BUILDINGS) PER ACRE, CLASSIFIED ACCORDING TO TYPE OF FARM, FOR NEW ENGLAND, BY STATES AND COUNTIES, 1930—Continued

STATE AND COUNTY	All types [1]	General	Cash-grain	Crop-specialty	Fruit	Truck	Dairy	Animal-specialty	Poultry	Self-sufficing	ABNORMAL						Unclassified
											Total	Institution or country estate	Part-time	Boarding and lodging	Forest-product	Horse farm, feed lot, or live-stock dealer	
Rhode Island [1]	$120	$102	----	$90	$139	$266	$125	$42	$96	$87	$149	$421	$115	$177	$25	$141	$201
Bristol	275	358	----	----	451	346	210	----	429	----	326	285	577	----	----	(2)	170
Kent	117	145	----	----	267	375	112	28	116	140	104	1,014	97	(2)	20	(2)	124
Newport	203	197	----	154	314	376	190	34	166	169	319	491	203	----	(2)	265	854
Providence	128	117	----	111	147	240	118	97	120	88	176	564	109	177	46	224	205
Washington	63	49	----	65	46	111	82	40	50	45	63	136	69	----	28	29	79
Connecticut	149	99	----	216	178	289	99	75	148	96	327	932	149	138	49	109	219
Fairfield	473	221	----	187	428	522	175	146	296	201	1,183	1,738	423	301	313	105	467
Hartford	215	167	----	264	154	335	163	194	252	164	266	805	187	231	109	374	424
Litchfield	93	90	----	114	222	115	79	74	142	93	166	255	127	110	52	278	93
Middlesex	96	69	----	142	123	121	87	62	141	75	113	271	106	139	33	(2)	335
New Haven	184	181	----	157	213	331	148	162	265	153	202	365	233	100	62	124	296
New London	71	63	----	71	71	147	64	57	89	66	92	156	92	138	30	38	116
Tolland	80	75	----	199	110	110	66	43	103	55	75	97	80	71	38	69	77
Windham	60	53	----	67	100	89	48	45	71	53	95	199	73	68	40	61	73

[1] Unclassified not included.

[2] Average value not shown to avoid disclosure of indvidual operations.

TABLE 37.—ACREAGE OF ALL LAND IN FARMS, TOTAL VALUE OF ALL FARM REAL ESTATE (LAND AND BUILDINGS) AND AVERAGE VALUE OF ALL FARM REAL ESTATE PER ACRE, BY PRINCIPAL TYPE OF FARM AREAS, FOR NEW ENGLAND, 1930

TYPE OF FARM AREA	All land in farms (acres)	VALUE OF ALL FARM REAL ESTATE		TYPE OF FARM AREA	All land in farms (acres)	VALUE OF ALL FARM REAL ESTATE		TYPE OF FARM AREA	All land in farms (acres)	VALUE OF ALL FARM REAL ESTATE	
		Total value	Average value per acre			Total value	Average value per acre			Total value	Average value per acre
1	84,731	$6,516,563	$76.91	13	146,971	$5,568,840	$37.89	26-A	70,937	$19,316,686	$272.31
2	1,395,690	61,924,435	44.37	14	567,111	24,273,835	42.80	26-B	37,957	7,077,917	186.47
4-A	1,744,456	57,618,376	33.03	15	1,448,698	50,574,098	34.91	27	68,875	6,478,654	94.06
4-B	338,135	12,384,901	36.63	16-A	121,164	4,626,680	38.19	28-A	96,951	6,163,994	63.58
4-C	217,202	9,222,326	42.46	16-B	776,548	53,886,455	69.39	28-B	156,373	10,928,343	69.89
6-A	364,175	8,910,602	24.47	17	183,434	23,532,211	128.29	28-C	8,245	1,282,996	155.61
6-B	416,641	14,025,090	33.66	18	113,999	45,570,032	399.74	29	384,801	23,053,494	59.91
6-C	709,497	32,056,413	45.18	19	80,104	13,153,656	164.21	30	124,865	29,116,730	233.19
7	769,530	63,193,889	82.12	20	273,473	23,022,907	84.19	31-A	93,706	22,301,121	237.99
8	135,989	3,321,851	24.43	21	69,109	5,552,339	80.34	31-B	55,960	8,806,164	157.37
9	69,097	1,541,863	22.31	22	302,676	63,362,857	209.34	31-C	68,369	10,084,425	147.50
10	130,804	2,688,680	20.56	23	151,673	25,979,174	171.28	31-D	19,766	1,209,865	61.21
11	178,738	4,631,161	25.91	24	386,956	35,689,814	92.23	32	56,036	12,481,975	222.75
12	466,271	12,282,066	26.34	25	119,958	63,992,546	533.46				

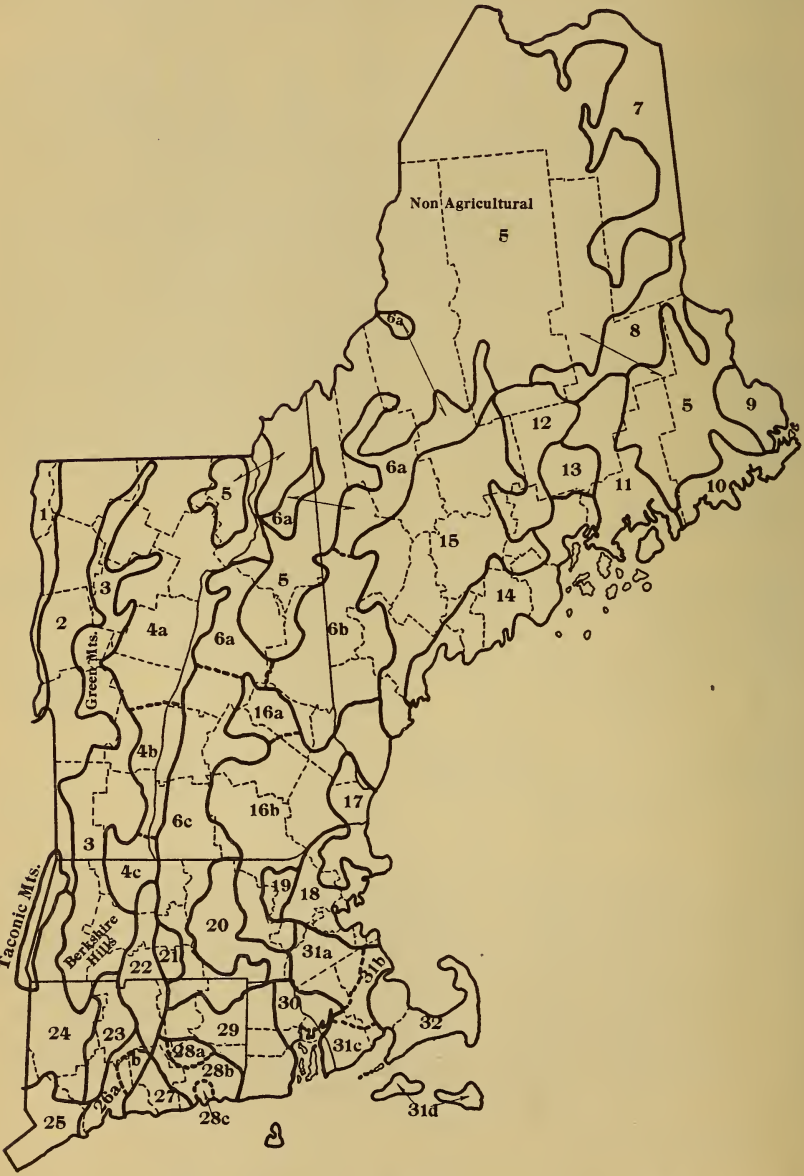

Figure 22.—Type of Farming Areas in the New England States, 1930

TABLE 38.—PER CENT WHICH THE NUMBER OF FARMS REPORTING EACH SPECIFIED CLASS OF FARM FACILITY IS OF THE TOTAL NUMBER OF ALL FARMS, WITH PER CENT DISTRIBUTION OF THE FARMS REPORTING EACH CLASS OF FACILITY, FOR NEW ENGLAND, BY STATES AND COUNTIES: 1930 AND 1920

STATE AND COUNTY	PER CENT OF ALL FARMS REPORTING [1]						PER CENT DISTRIBUTION OF FARMS REPORTING [2]					
	Telephones		Farmers' dwellings lighted by electricity [3]		Water piped into farmers' dwellings		Telephones		Farmers' dwellings lighted by electricity [3]		Water piped into farmers' dwellings	
	1930	1920	1930	1920	1930	1920	1930	1920	1930	1920	1930	1920
NEW ENGLAND	61.1	51.4	42.9	15.3	63.9	47.9	100.0	100.0	100.0	100.0	100.0	100.0
Maine	56.9	49.0	33.1	9.6	49.0	37.4	29.1	29.4	24.1	19.3	24.0	24.0
Androscoggin	57.9	55.2	46.6	8.9	64.9	53.7	1.8	1.5	2.0	0.8	1.9	1.6
Aroostook	55.4	52.4	31.9	11.8	28.8	20.5	4.7	4.4	3.8	3.3	2.3	1.8
Cumberland	70.4	53.3	51.3	13.9	70.1	52.7	2.1	2.5	2.1	2.2	2.0	2.6
Franklin	69.1	61.5	31.5	9.4	69.9	56.6	1.4	1.4	0.9	0.7	1.3	1.4
Hancock	53.5	29.6	32.8	5.9	48.5	36.0	0.9	0.9	0.8	0.6	0.8	1.2
Kennebec	59.1	50.7	36.6	13.5	51.5	18.2	2.8	2.8	2.4	2.5	2.3	1.1
Knox	44.2	40.0	34.9	6.2	48.1	44.4	1.1	0.7	1.2	0.4	1.1	0.8
Lincoln	38.3	24.0	28.8	4.5	40.9	33.3	0.9	0.6	1.0	0.4	1.0	0.9
Oxford	63.1	63.5	30.2	7.7	67.0	62.4	2.3	2.4	1.6	1.0	2.4	2.6
Penobscot	53.4	46.1	31.9	8.9	36.0	28.1	2.8	3.0	2.4	1.9	1.8	1.9
Piscataquis	61.4	54.1	24.6	8.1	45.8	41.1	0.7	1.0	0.4	0.5	0.5	0.8
Sagadahoc	55.2	50.9	20.2	4.3	38.7	29.6	0.6	0.5	0.3	0.2	0.4	0.3
Somerset	59.0	59.3	28.2	10.3	52.2	40.7	2.3	2.7	1.6	1.6	2.0	2.0
Waldo	58.8	54.1	22.7	6.1	52.2	40.4	1.9	2.2	1.1	0.8	1.6	1.7
Washington	47.8	30.8	22.9	4.3	41.2	29.5	1.0	1.0	0.7	0.5	0.8	1.0
York	61.6	43.4	42.5	14.3	64.1	49.7	1.7	1.8	1.7	2.0	1.7	2.2
New Hampshire	62.5	49.5	41.3	11.3	73.8	52.5	12.2	12.6	11.5	9.7	13.8	14.4
Belknap	65.1	57.3	32.6	7.5	74.7	54.7	0.7	1.0	0.5	0.4	0.7	1.0
Carroll	52.8	36.9	43.5	11.4	58.7	44.0	0.7	0.7	0.8	0.7	0.7	0.9
Cheshire	69.1	49.9	42.3	16.0	82.2	67.7	1.0	1.0	0.9	1.1	1.1	1.5
Coos	54.7	45.0	29.8	10.4	80.0	71.1	0.9	0.8	0.7	0.6	1.2	1.4
Grafton	58.8	53.0	36.3	9.5	79.2	72.5	1.6	1.9	1.4	1.1	2.1	2.8
Hillsborough	72.7	57.1	49.2	13.5	78.4	57.9	1.9	1.8	1.9	1.4	2.0	2.0
Merrimack	62.1	49.3	41.6	11.8	73.1	24.6	1.6	1.7	1.5	1.4	1.8	0.9
Rockingham	61.6	44.7	51.3	13.6	66.5	43.8	2.0	1.9	2.4	2.0	2.0	2.0
Strafford	64.0	45.0	46.1	7.0	69.7	38.4	0.8	0.8	0.8	0.4	0.8	0.7
Sullivan	61.0	55.9	28.0	8.0	73.5	62.9	1.1	1.0	0.7	0.5	1.2	1.2
Vermont	60.6	57.6	30.4	11.4	72.3	62.9	19.8	20.8	14.1	13.9	22.6	24.4
Addison	65.1	62.2	29.0	9.6	37.3	24.0	1.7	1.8	1.1	1.0	0.9	0.8
Bennington	56.8	41.3	28.2	8.2	55.4	42.9	0.7	0.7	0.5	0.5	0.7	0.8
Caledonia	65.4	62.2	35.1	20.3	86.7	75.1	1.8	1.8	1.4	2.0	2.3	2.3
Chittenden	64.0	58.9	35.7	8.4	56.2	46.0	1.5	1.5	1.2	0.7	1.3	1.2
Essex	44.6	42.6	26.4	10.3	79.2	74.1	0.3	0.4	0.3	0.3	0.6	0.7
Franklin	67.0	60.3	31.8	7.9	64.0	49.3	2.0	1.8	1.4	0.8	1.8	1.6
Grand Isle	62.9	58.7	13.6	5.6	38.5	18.6	0.4	0.4	0.1	0.1	0.2	0.1
Lamoille	44.7	42.1	33.0	19.6	77.5	72.4	0.8	0.8	0.9	1.3	1.4	1.5
Orange	59.6	69.3	24.6	10.2	84.0	77.2	1.8	2.3	1.1	1.1	2.4	2.8
Orleans	50.6	50.1	37.0	16.9	79.5	71.6	1.5	1.6	1.6	1.8	2.3	2.4
Rutland	57.4	55.3	28.7	10.7	60.8	52.6	1.6	1.8	1.2	1.2	1.6	1.9
Washington	66.3	62.1	27.5	13.5	88.7	79.3	1.9	2.0	1.1	1.4	2.4	2.7
Windham	60.7	54.4	29.8	7.3	81.4	77.8	1.3	1.4	0.9	0.6	1.7	2.2
Windsor	66.2	62.2	28.9	7.9	87.6	79.1	2.3	2.5	1.4	1.1	2.9	3.5
Massachusetts	64.8	51.7	62.6	28.3	74.5	52.8	21.7	20.5	29.9	37.8	23.9	22.5
Barnstable	57.6	50.2	57.4	10.7	58.1	33.2	0.4	0.4	0.5	0.3	0.4	0.3
Berkshire	69.8	54.0	49.0	19.0	74.0	57.0	1.5	1.6	1.5	1.9	1.5	1.8
Bristol	54.8	37.8	66.5	23.8	62.0	38.7	2.2	1.8	3.8	3.7	2.4	1.9
Dukes	64.2	46.1	14.9	3.9	35.8	25.7	0.1	0.1	(3)	(3)	(4)	0.1
Essex	72.7	57.0	77.0	44.6	77.5	66.4	1.9	2.1	2.9	5.5	2.0	2.6
Franklin	58.8	55.6	44.7	21.4	76.3	70.7	2.1	1.9	2.2	2.5	2.6	2.6
Hampden	61.0	49.9	57.1	21.2	72.7	6.2	1.4	1.3	1.9	1.8	1.6	0.2
Hampshire	59.5	52.9	54.9	26.6	74.3	67.7	2.0	2.0	2.7	3.3	2.4	2.7
Middlesex	73.2	58.9	74.7	39.0	80.2	63.4	3.3	3.3	4.8	7.2	3.5	3.8
Nantucket	95.7	83.3	78.3	4.2	87.0	75.0	(4)	(4)	(4)	(4)	(4)	(4)
Norfolk	75.4	55.7	81.6	45.2	83.2	66.6	1.1	1.0	1.7	2.6	1.2	1.2
Plymouth	64.8	50.4	70.0	27.7	69.4	2.1	1.5	1.4	2.3	2.5	1.5	0.1
Suffolk	63.0	71.8	48.1	64.8	55.6	91.5	(4)	0.1	(4)	0.2	(4)	0.1
Worcester	65.7	49.2	60.5	24.1	79.1	63.0	4.3	3.7	5.6	6.1	4.9	5.2

---

[1] Total number of all farms, base=100 per cent.

[2] Percentages based on the total number of farms *reporting* each class of facility for New England, as a whole=100 per cent.

[3] Electricity or gas in 1920, electricity only in 1930.

[4] Less than one-tenth of 1 per cent.

TABLE 38.—PER CENT WHICH THE NUMBER OF FARMS REPORTING EACH SPECIFIED CLASS OF FARM FACILITY IS OF THE TOTAL NUMBER OF ALL FARMS, WITH PER CENT DISTRIBUTION OF THE FARMS REPORTING EACH CLASS OF FACILITY, FOR NEW ENGLAND, BY STATES AND COUNTIES: 1930 AND 1920—Continued

STATE AND COUNTY	PER CENT OF ALL FARMS REPORTING [1]						PER CENT DISTRIBUTION OF FARMS REPORTING [2]					
	Telephones		Farmers' dwellings lighted by electricity [3]		Water piped into farmers' dwellings		Telephones		Farmers' dwellings lighted by electricity [3]		Water piped into farmers' dwellings	
	1930	1920	1930	1920	1930	1920	1930	1920	1930	1920	1930	1920
Rhode Island	52.4	41.3	57.5	17.1	56.8	35.5	2.3	2.1	3.6	2.9	2.4	1.9
Bristol	65.3	51.2	79.9	38.6	71.5	46.5	0.1	0.1	0.2	0.3	0.1	0.1
Kent	48.8	45.5	56.6	18.3	53.5	29.2	0.4	0.2	0.6	0.3	0.4	0.2
Newport	60.2	43.7	56.6	11.7	47.5	35.5	0.5	0.4	0.7	0.4	0.4	0.4
Providence	51.9	40.9	60.3	17.2	59.8	36.7	0.9	0.8	1.5	1.2	1.0	0.8
Washington	46.2	35.8	48.0	16.4	59.4	33.9	0.4	0.4	0.6	0.7	0.5	0.4
Connecticut	66.1	51.8	52.7	17.5	62.3	42.0	14.9	14.6	16.9	16.5	13.4	12.7
Fairfield	71.3	52.2	60.2	20.7	63.8	39.9	1.9	2.5	2.3	3.3	1.7	2.1
Hartford	67.5	55.8	68.7	32.4	67.2	50.8	3.3	3.3	4.8	6.4	3.1	3.2
Litchfield	75.8	61.4	44.8	8.4	69.5	45.5	2.2	2.3	1.8	1.1	1.9	1.8
Middlesex	55.6	42.1	50.6	15.3	59.0	33.4	0.9	0.7	1.2	0.9	0.9	0.6
New Haven	70.5	52.1	60.6	20.0	63.3	36.2	2.0	1.7	2.4	2.2	1.7	1.3
New London	58.4	45.1	42.2	9.4	51.9	32.9	1.8	1.5	1.8	1.1	1.5	1.2
Tolland	59.8	47.4	39.9	8.0	60.7	48.4	1.2	1.2	1.2	0.7	1.2	1.3
Windham	63.2	47.5	37.8	9.5	58.1	40.7	1.6	1.3	1.3	0.9	1.4	1.2

[1] Total number of all farms, base=100 per cent.

[2] Percentages based on the total number of farms *reporting* each class of facility for New England, as a whole=100 per cent.

[3] Electricity or gas in 1920, electricity only in 1930.

TABLE 39.—PER CENT INCREASE (1925 TO 1930) IN THE NUMBER OF FARMS LOCATED ON EACH KIND OF ROAD, FOR NEW ENGLAND, BY STATES AND COUNTIES

[A minus sign (−) denotes decrease. Per cent not shown when more than 1,000]

STATE AND COUNTY	Total hard-surface and improved dirt [1]	Concrete or brick	Macadam	Gravel	Sand-clay and improved dirt	Unimproved dirt	All other (including not reported)
NEW ENGLAND	−22.3	54.5	−0.9	−19.2	−47.0	−25.0	69.3
Maine	−25.4	176.3	73.8	−11.7	−58.4	−23.7	128.8
Androscoggin	5.4	10.0	72.7	94.8	−68.4	−34.5	136.0
Aroostook	−15.3	----------	233.5	17.3	−56.5	28.9	373.3
Cumberland	−0.5	29.4	−3.6	−3.3	−8.9	−61.4	105.7
Franklin	18.7	----------	----------	−24.1	62.3	−42.9	−35.8
Hancock	−57.2	----------	513.6	−58.0	−75.0	−42.9	358.3
Kennebec	−34.8	733.3	12.6	9.3	−76.7	−0.6	156.8
Knox	78.3	----------	156.4	61.3	94.2	−37.8	169.4
Lincoln	−35.7	----------	78.8	−16.1	−86.7	−14.5	135.4
Oxford	16.9	175.0	----------	48.4	−43.0	−16.3	−7.8
Penobscot	−22.4	124.5	238.5	−15.6	−50.0	−26.9	109.3
Piscataquis	−32.9	----------	----------	−39.0	−43.1	−49.8	----------
Sagadahoc	18.7	----------	−19.6	−13.5	323.5	−66.7	−16.7
Somerset	−30.4	(2)	183.3	29.7	−71.2	−2.4	487.9
Waldo	−42.9	1,000.0	168.0	−22.9	−81.5	−1.8	92.2
Washington	−53.4	----------	45.1	−61.1	−36.8	31.0	−17.1
York	−51.9	----------	−49.6	−36.3	−76.9	−37.2	321.1
New Hampshire	−34.3	162.0	4.7	−55.3	−53.3	−28.8	357.3
Belknap	−0.3	(2)	−3.7	7.0	−1.1	−64.3	640.0
Carroll	−40.6	----------	14.1	−65.7	−72.3	−21.8	520.0
Cheshire	−41.4	72.2	118.1	−41.3	−80.6	−40.3	330.0
Coos	−16.1	----------	−28.7	−31.5	−44.8	−8.6	333.3
Grafton	−42.3	333.3	−11.3	−43.6	−73.5	−3.6	658.3
Hillsborough	−25.3	800.0	19.0	−44.7	−47.7	−37.7	88.0
Merrimack	−44.5	−13.0	5.2	−71.6	−50.7	−14.4	429.2
Rockingham	−38.2	245.8	2.7	−68.1	−41.4	−35.3	384.6
Strafford	−24.9	----------	−34.6	−18.8	−42.4	−52.9	409.1
Sullivan	−27.2	----------	85.3	−58.9	−25.7	23.7	256.3
Vermont	−7.3	713.3	168.8	−8.1	−21.6	−18.5	160.8
Addison	15.9	----------	194.1	−4.0	112.6	−50.9	34.8
Bennington	36.6	445.5	−27.8	15.3	83.2	−68.3	−57.1
Caledonia	−0.7	----------	500.0	−12.0	−3.4	−2.9	----------
Chittenden	−10.1	344.7	46.2	−6.8	−57.5	−13.8	----------
Essex	−41.0	----------	----------	−12.9	−69.2	32.9	----------
Franklin	−8.9	942.9	----------	14.6	−56.7	15.6	409.1
Grand Isle	−35.4	----------	----------	−50.9	9.4	239.5	266.7
Lamoille	16.3	----------	----------	−0.4	60.3	−35.7	----------
Orange	−23.9	----------	383.3	−21.2	−30.5	−1.0	317.6
Orleans	−17.7	----------	175.0	22.7	−55.7	22.7	----------
Rutland	17.1	362.5	300.0	−4.3	11.9	−46.1	−34.3
Washington	−27.8	860.0	−15.2	−19.2	−39.5	38.7	109.1
Windham	−23.6	----------	75.0	−37.7	−1.8	−13.5	30.0
Windsor	12.6	----------	566.7	1.6	13.8	−44.4	−21.4
Massachusetts	−26.8	−21.0	−13.1	−27.3	−54.4	−23.7	261.2
Barnstable	−42.3	----------	−63.8	500.0	−67.2	−49.3	29.6
Berkshire	−54.4	−28.3	−34.8	−32.1	−72.9	−19.9	500.0
Bristol	2.0	25.8	0.2	26.2	−57.7	−28.0	211.8
Dukes	−49.3	----------	−88.5	----------	(2)	−38.9	(2)
Essex	−3.2	216.7	1.1	−35.6	37.4	−46.6	186.5
Franklin	−21.3	28.6	−13.6	10.4	−51.0	−5.2	728.6
Hampden	−38.4	12.5	−27.4	−31.8	−60.1	−13.6	554.5
Hampshire	−32.7	−13.3	−12.5	−34.6	−49.1	25.7	----------
Middlesex	−21.2	100.0	−7.8	−44.0	−28.8	−49.2	165.0
Nantucket	77.8	−25.0	----------	----------	100.0	−46.2	----------
Norfolk	4.0	−30.6	19.9	−19.2	−58.8	−71.7	480.0
Plymouth	−33.2	−91.7	−16.7	−43.3	−66.6	−54.8	337.0
Suffolk	60.0	----------	11.1	(2)	----------	75.0	100.0
Worcester	−39.7	−19.2	−19.8	−32.1	−58.1	−16.2	552.0
Rhode Island	−21.8	162.1	−20.4	67.5	−58.6	−3.6	103.1
Bristol	−34.7	100.0	−35.7	−26.7	−79.5	23.1	−60.0
Kent	2.7	----------	28.8	271.4	−48.0	158.3	360.0
Newport	−13.6	33.3	−25.0	83.3	−17.1	−61.3	−30.8
Providence	−18.4	75.0	−17.6	59.7	−66.7	−12.2	----------
Washington	−41.1	68.2	−34.0	122.2	−68.2	191.1	183.3
Connecticut	−15.3	22.4	−11.2	−21.8	−27.6	−34.3	−52.8
Fairfield	−25.2	32.9	−32.5	35.8	−44.7	−50.0	−62.5
Hartford	−21.7	84.6	−13.2	−36.8	−50.6	−18.6	17.6
Litchfield	−35.0	−32.9	−4.9	−8.8	−56.8	−38.7	−35.6
Middlesex	−9.3	192.6	−43.1	−12.5	23.9	−42.1	−78.7
New Haven	−19.3	2.3	−25.7	−53.4	7.6	−24.5	−18.9
New London	−18.2	−28.4	5.1	−19.5	−31.4	14.8	−83.3
Tolland	3.7	350.0	45.3	−67.9	64.1	−35.8	−57.7
Windham	74.2	(2)	3.7	162.3	234.6	−51.9	−60.8

[1] Asphalt is included in 1930; but excluded in 1925 (included in all other); also excludes unimproved dirt and all other for both years.

[2] No change.

TABLE 40.—PER CENT WHICH THE NUMBER OF FARMS LOCATED ON EACH KIND OF ROAD IS OF THE TOTAL NUMBER OF ALL FARMS, FOR NEW ENGLAND, BY STATES AND COUNTIES: 1930 AND 1925

[Total number of all farms, base=100 per cent]

STATE AND COUNTY	PERCENTAGE OF FARMS LOCATED ON EACH KIND OF ROAD														
	Total hard-surface and improved dirt[1]		Concrete or brick		Asphalt[2]	Macadam		Gravel		Sand-clay and improved dirt		Unimproved dirt		All other (including not reported)	
	1930[3]	1925	1930	1925	1930	1930	1925	1930	1925	1930	1925	1930	1925	1930	1925[2]
NEW ENGLAND	59.5	60.0	2.6	1.3	1.5	15.1	12.0	25.2	24.4	15.1	22.4	36.5	38.1	4.0	1.8
Maine	54.2	56.7	0.9	0.3	0.6	7.4	3.3	32.1	28.3	13.2	24.8	40.8	41.6	5.0	1.7
Androscoggin	51.7	41.9	0.5	0.4	0.2	10.3	5.1	32.5	14.2	8.2	22.2	43.2	56.3	5.1	1.8
Aroostook	58.4	70.2	-----	-----	(4)	8.3	2.5	33.6	29.1	16.5	38.5	36.2	28.6	5.5	1.2
Cumberland	61.5	40.0	3.0	1.5	2.1	9.6	6.4	28.9	19.3	18.0	12.7	35.2	59.0	3.2	1.0
Franklin	51.5	33.9	-----	-----	1.3	9.5	-----	26.1	26.9	14.6	7.0	46.3	63.4	2.2	2.7
Hancock	64.1	72.6	1.4	-----	0.4	10.4	0.8	36.8	42.6	15.1	29.2	31.7	27.0	4.2	0.4
Kennebec	53.2	65.6	0.7	0.1	0.1	9.0	6.4	33.4	24.5	10.0	34.6	40.0	32.3	6.8	2.1
Knox	50.8	28.9	0.4	-----	-----	5.4	2.1	30.5	19.2	14.5	7.6	42.0	68.4	7.2	2.7
Lincoln	43.4	52.2	-----	-----	1.2	7.6	3.3	31.0	28.6	3.5	20.3	50.6	45.8	6.0	2.0
Oxford	44.0	36.2	1.2	0.4	(4)	6.0	0.5	25.8	16.7	11.0	18.6	51.8	59.4	4.2	4.4
Penobscot	61.1	60.8	2.9	1.0	0.5	4.3	1.0	37.4	34.2	15.9	24.6	36.1	38.2	2.8	1.0
Piscataquis	52.3	46.8	0.1	-----	-----	5.9	-----	29.6	29.2	16.7	17.6	44.4	53.1	3.3	0.1
Sagadahoc	73.9	47.2	-----	-----	-----	13.6	12.8	33.7	29.6	26.5	4.7	21.2	48.3	4.9	4.5
Somerset	52.2	63.4	(4)	(4)	0.1	5.7	1.7	32.6	21.3	13.8	40.4	41.3	35.7	6.5	0.9
Waldo	41.0	56.3	0.4	(4)	-----	5.3	1.6	29.4	29.9	5.9	24.9	50.0	40.1	8.8	3.6
Washington	73.5	88.2	-----	-----	2.1	4.7	1.8	49.3	71.0	17.4	15.4	24.7	10.5	1.8	1.2
York	44.8	52.9	3.2	-----	3.0	8.3	9.3	19.7	17.6	10.6	26.0	51.5	46.6	3.7	0.5
New Hampshire	51.3	55.3	1.9	0.5	3.1	19.5	13.2	14.6	23.2	12.1	18.4	44.3	44.1	4.4	0.7
Belknap	49.7	28.1	0.3	0.1	0.1	16.8	9.8	9.9	5.2	22.6	12.9	45.4	71.6	4.8	0.4
Carroll	50.1	58.3	0.8	-----	4.3	26.4	16.0	8.5	17.1	10.1	25.2	46.8	41.4	3.2	0.4
Cheshire	53.7	56.0	2.8	1.0	1.8	20.8	5.8	19.0	19.8	9.3	29.5	42.4	43.4	3.9	0.6
Coos	52.1	55.5	1.5	0.1	10.9	11.9	14.9	14.7	19.2	13.2	21.4	44.7	43.8	3.2	0.7
Grafton	43.3	57.8	1.3	0.2	1.0	19.9	17.3	13.8	18.9	7.4	21.4	52.3	41.7	4.4	0.4
Hillsborough	47.0	43.3	1.3	0.1	1.9	18.2	10.5	14.5	18.0	11.2	14.7	50.6	55.9	2.3	0.8
Merrimack	45.6	58.9	2.4	1.9	3.8	17.2	11.7	11.9	30.1	10.4	15.2	48.0	40.2	6.4	0.9
Rockingham	64.6	68.6	3.4	0.6	4.0	26.2	16.8	17.5	36.1	13.5	15.1	30.2	30.7	5.1	0.7
Strafford	53.1	44.5	1.8	-----	2.8	18.7	18.0	19.0	14.8	10.7	11.7	41.0	54.8	5.9	0.7
Sullivan	51.8	66.0	1.8	-----	0.4	15.2	7.6	15.3	34.6	19.1	23.8	43.9	32.9	4.3	1.1
Vermont	62.7	60.6	2.7	0.3	0.1	2.2	0.7	37.6	36.6	20.1	23.0	35.1	38.6	2.2	0.8
Addison	77.3	60.1	2.0	-----	0.5	4.9	1.5	56.5	53.0	13.3	5.7	21.2	38.8	1.5	1.0
Bennington	72.3	38.0	6.3	0.8	0.3	1.4	1.4	46.0	28.7	18.3	7.2	26.4	59.8	1.3	2.1
Caledonia	57.7	58.5	3.4	-----	-----	0.9	0.1	26.0	29.7	27.5	28.6	40.0	41.5	2.3	-----
Chittenden	68.4	69.2	9.2	1.9	0.2	3.1	1.9	46.7	45.6	9.2	19.8	29.0	30.7	2.6	0.1
Essex	58.6	76.7	-----	-----	-----	0.5	-----	42.5	37.7	15.6	39.0	40.2	23.3	1.2	-----
Franklin	55.8	62.6	3.2	0.3	(1)	1.9	0.1	39.1	34.8	11.6	27.3	41.8	36.9	2.4	0.5
Grand Isle	67.7	91.7	-----	-----	-----	-----	-----	38.2	68.1	29.5	23.6	29.7	7.7	2.5	0.6
Lamoille	63.1	52.9	0.1	-----	-----	-----	-----	39.4	38.6	23.5	14.3	31.0	47.0	6.0	0.1
Orange	52.7	60.5	-----	0.1	-----	1.3	0.2	30.4	33.6	21.1	26.5	44.2	38.9	3.1	0.6
Orleans	55.5	66.4	1.2	(1)	-----	0.5	0.2	37.7	30.2	16.2	36.0	41.8	33.5	2.7	(4)
Rutland	65.6	46.8	3.4	0.6	-----	8.7	1.8	35.4	31.0	17.9	13.4	33.4	51.8	1.1	1.4
Washington	57.1	72.1	2.2	0.2	-----	1.3	1.4	27.1	30.5	26.5	39.9	41.8	27.5	1.1	0.5
Windham	69.5	72.5	3.2	-----	0.1	1.7	0.8	41.3	52.8	23.3	18.9	28.9	26.6	1.6	1.0
Windsor	67.0	50.4	2.2	0.1	-----	1.5	0.2	33.5	28.0	29.8	22.2	31.3	47.8	1.7	1.8
Massachusetts	70.2	73.4	2.4	2.4	3.6	30.0	26.4	20.4	21.5	13.8	23.1	25.7	25.8	4.1	0.9
Barnstable	71.3	75.9	3.1	0.1	20.9	35.1	59.5	3.7	0.4	8.5	15.9	14.3	17.3	14.5	6.9
Berkshire	52.8	68.0	5.0	4.1	1.4	13.0	11.7	15.6	13.5	17.8	38.7	43.1	31.6	4.1	0.4
Bristol	85.9	84.2	6.2	5.0	5.2	44.3	44.2	23.0	18.2	7.1	16.8	10.6	14.7	3.5	1.1
Dukes	55.2	62.4	6.0	-----	19.4	10.4	52.1	1.5	-----	17.9	10.3	32.8	30.8	11.9	6.8
Essex	78.0	70.8	3.8	1.0	3.1	39.7	34.5	20.9	28.5	10.5	6.7	16.8	27.6	5.2	1.6
Franklin	60.1	65.6	0.3	0.2	0.4	19.1	19.0	24.8	19.3	15.5	27.2	37.7	34.2	2.2	0.2
Hampden	61.8	71.4	2.5	1.6	1.6	23.6	23.1	19.1	19.9	15.0	26.8	34.2	28.1	4.0	0.4
Hampshire	65.2	79.1	0.5	0.5	0.9	24.3	22.7	20.7	25.9	18.7	30.0	32.0	20.8	2.9	0.2
Middlesex	81.9	78.7	1.6	0.6	4.2	39.5	32.4	23.6	31.8	13.1	13.9	13.5	20.0	4.6	1.3
Nantucket	69.6	36.0	26.1	32.0	8.7	26.1	-----	-----	-----	8.7	4.0	30.4	52.0	-----	12.0
Norfolk	84.7	68.8	2.2	2.7	8.0	51.9	36.6	16.8	17.5	5.9	12.0	10.2	30.4	5.1	0.7
Plymouth	79.7	79.2	1.3	10.2	9.7	42.9	34.2	20.1	23.5	5.7	11.3	13.5	19.8	6.8	1.0
Suffolk	59.3	62.5	7.4	-----	7.4	37.0	56.3	3.7	6.3	3.7	-----	25.9	25.0	14.8	12.5
Worcester	59.3	68.5	1.7	1.5	1.7	17.5	15.2	18.8	19.3	19.6	32.6	37.4	31.1	3.3	0.4

[1] Excludes unimproved dirt and "All other" roads.
[2] In 1925 asphalt was included with "All other roads."
[3] Includes asphalt in 1930.
[4] Less than one-tenth of 1 per cent.

TABLE 40.—PER CENT WHICH THE NUMBER OF FARMS LOCATED ON EACH KIND OF ROAD IS OF THE TOTAL NUMBER OF ALL FARMS, FOR NEW ENGLAND, BY STATES AND COUNTIES: 1930 AND 1925—Continued

[Total number of all farms, base=100 per cent]

STATE AND COUNTY	PERCENTAGE OF FARMS LOCATED ON EACH KIND OF ROAD														
	Total hard-surface and improved dirt [1]		Concrete or brick		Asphalt [2]	Macadam		Gravel		Sand-clay and improved dirt		Unimproved dirt		All other (including not reported)	
	1930 [3]	1925	1930	1925	1930	1930	1925	1930	1925	1930	1925	1930	1925	1930	1925 [2]
Rhode Island	66.9	72.7	4.6	1.5	4.5	29.5	31.5	12.0	6.1	16.4	33.6	29.2	25.7	3.9	1.6
Bristol	86.1	89.2	1.4	0.5	11.8	51.4	54.0	15.3	14.1	6.3	20.7	11.1	6.1	2.8	4.7
Kent	64.7	82.9	9.0	-----	3.9	25.7	26.2	4.4	1.6	21.8	55.1	31.4	16.0	3.9	1.1
Newport	76.2	60.9	0.6	0.3	2.7	44.6	41.1	8.8	3.3	19.4	16.1	19.5	34.8	4.3	4.3
Providence	59.6	63.9	4.2	2.1	5.4	23.4	24.8	16.0	8.7	10.7	28.3	36.0	35.8	4.4	0.3
Washington	71.0	92.4	6.0	2.7	3.2	26.2	30.5	12.9	4.4	22.7	54.7	26.2	6.9	2.7	0.7
Connecticut	56.7	49.5	6.4	3.8	0.7	22.5	18.7	10.5	9.9	16.6	17.0	39.5	44.5	3.8	6.0
Fairfield	57.8	47.0	9.1	4.2	0.6	18.9	17.0	9.7	4.3	19.5	21.4	37.7	45.8	4.5	7.2
Hartford	68.7	70.4	11.2	4.9	1.1	29.7	27.4	14.9	18.9	11.9	19.3	27.0	26.6	4.3	2.9
Litchfield	45.7	44.4	4.8	4.5	0.4	17.8	11.8	6.7	4.6	16.1	23.5	49.9	51.3	4.4	4.3
Middlesex	48.2	36.1	6.3	1.5	1.6	18.0	21.5	3.9	3.0	18.5	10.1	50.3	59.1	1.5	4.8
New Haven	45.4	43.9	6.3	4.8	1.1	16.2	17.1	6.6	11.0	15.2	11.0	49.2	50.9	5.4	5.2
New London	62.8	63.1	5.4	6.2	0.3	23.2	18.1	10.8	11.0	23.2	27.7	34.7	24.8	2.4	12.1
Tolland	50.9	38.4	0.6	0.1	0.3	29.7	16.0	6.4	15.7	13.8	6.6	46.2	56.3	2.8	5.2
Windham	59.9	28.8	1.7	1.4	0.2	20.7	16.7	19.1	6.1	18.3	4.6	36.4	63.4	3.6	7.8

---

[1] Excludes unimproved dirt and "All other" roads.
[2] In 1925 asphalt was included with "All other" roads.
[3] Includes asphalt in 1930.

TABLE 41.—PER CENT DISTRIBUTION OF THE NUMBER OF FARMS LOCATED ON EACH KIND OF ROAD, FOR NEW ENGLAND, BY STATES AND COUNTIES: 1930 AND 1925

[Total farms shown for each kind of road—New England, base=100 per cent]

STATE AND COUNTY	PERCENTAGE OF FARMS LOCATED ON EACH KIND OF ROAD—														
	Total hard-surface and improved dirt [1]		Concrete or brick		Asphalt [2]	Macadam		Gravel		Sand-clay and improved dirt		Unimproved dirt		All other (including not reported)	
	1930 [3]	1925	1930	1925	1930	1930	1925	1930	1925	1930	1925	1930	1925	1930	1925 [2]
NEW ENGLAND	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Maine	28.5	29.6	11.3	6.3	12.2	15.4	8.8	39.7	36.4	27.3	34.8	34.9	34.3	39.0	28.9
Androscoggin	1.6	1.2	0.3	0.5	0.3	1.3	0.7	2.4	1.0	1.0	1.7	2.2	2.5	2.4	1.7
Aroostook	5.1	4.6	-----	-----	0.1	2.8	0.8	6.9	4.7	5.6	6.8	5.1	3.0	7.1	2.5
Cumberland	1.8	1.4	2.1	2.5	2.5	1.1	1.2	2.1	1.7	2.1	1.2	1.7	3.4	1.4	1.2
Franklin	1.1	0.7	-----	-----	1.1	0.8	-----	1.3	1.4	1.2	0.4	1.6	2.0	0.7	1.8
Hancock	1.1	2.0	0.6	-----	0.3	0.7	0.1	1.5	2.9	1.0	2.2	0.9	1.2	1.1	0.4
Kennebec	2.6	3.1	0.8	0.1	0.3	1.7	1.5	3.8	2.8	1.9	4.3	3.1	2.4	4.9	3.2
Knox	1.3	0.5	0.2	-----	-----	0.5	0.2	1.8	0.9	1.4	0.4	1.7	2.0	2.6	1.7
Lincoln	1.1	1.3	-----	-----	1.2	0.8	0.4	1.8	1.8	0.3	1.4	2.1	1.8	2.3	1.6
Oxford	1.7	1.1	1.0	0.6	0.1	0.9	0.1	2.3	1.3	1.6	1.5	3.2	2.9	2.4	4.4
Penobscot	3.3	3.3	3.7	2.6	1.2	0.9	0.3	4.8	4.6	3.4	3.6	3.2	3.3	2.3	1.8
Piscataquis	0.6	0.7	(4)	-----	-----	0.3	-----	0.9	1.1	0.8	0.8	0.9	1.3	0.6	0.1
Sagadahoc	0.8	0.5	-----	-----	-----	0.6	0.7	0.9	0.8	1.1	0.1	0.4	0.9	0.8	1.6
Somerset	2.1	2.3	(4)	(4)	0.2	0.9	0.3	3.1	1.9	2.2	4.0	2.7	2.1	3.9	1.1
Waldo	1.4	1.9	0.3	(4)	-----	0.7	0.3	2.3	2.5	0.8	2.2	2.8	2.1	4.4	3.9
Washington	1.6	2.6	-----	-----	1.7	0.4	0.3	2.5	5.2	1.5	1.2	0.9	0.5	0.6	1.2
York	1.3	2.1	2.2	-----	3.4	0.9	1.9	1.4	1.7	1.2	2.8	2.4	2.9	1.6	0.6

---

[1] Excludes unimproved dirt and "All other" roads.
[2] In 1925 asphalt was included with "All other" roads.
[3] Includes asphalt in 1930.
[4] Less than one-tenth of 1 per cent.

TABLE 41.—PER CENT DISTRIBUTION OF THE NUMBER OF FARMS LOCATED ON EACH KIND OF ROAD, FOR NEW ENGLAND, BY STATES AND COUNTIES: 1930 AND 1925—Continued

[Total farms shown for each kind of road—New England, base=100 per cent]

STATE AND COUNTY	Total hard-surface and improved dirt [1]		PERCENTAGE OF FARMS LOCATED ON EACH KIND OF ROAD													
			Concrete or brick		Asphalt [2]	Macadam		Gravel		Sand-clay and improved dirt		Unimproved dirt		All other (including not reported)	
	1930 [3]	1925	1930	1925	1930	1930	1925	1930	1925	1930	1925	1930	1925	1930	1925 [2]
New Hampshire	10.3	12.2	8.9	5.2	24.2	15.4	14.6	6.9	12.5	9.6	10.9	14.5	15.3	13.1	4.8
Belknap	0.5	0.4	0.1	0.1	0.1	0.7	0.7	0.2	0.2	0.9	0.5	0.8	1.6	0.7	0.2
Carroll	0.7	0.9	0.3	-----	2.2	1.4	1.2	0.3	0.6	0.5	1.0	1.0	1.0	0.6	0.2
Cheshire	0.8	1.1	1.0	0.9	1.1	1.2	0.6	0.7	0.9	0.5	1.5	1.0	1.3	0.9	0.3
Coos	0.9	0.8	0.6	(4)	7.0	0.8	1.1	0.6	0.7	0.8	0.8	1.2	1.0	0.8	0.3
Grafton	1.2	1.6	0.8	0.3	1.1	2.2	2.4	0.9	1.3	0.8	1.6	2.4	1.9	1.8	0.4
Hillsborough	1.3	1.3	0.8	0.1	2.0	2.0	1.6	0.9	1.4	1.2	1.2	2.3	2.7	0.9	0.8
Merrimack	1.2	1.7	1.5	2.6	4.0	1.8	1.7	0.8	2.2	1.1	1.2	2.1	1.8	2.5	0.8
Rockingham	2.1	2.7	2.6	1.2	5.2	3.4	3.3	1.4	3.5	1.8	1.6	1.6	1.9	2.5	0.9
Strafford	0.7	0.7	0.5	-----	1.4	0.9	1.4	0.6	0.6	0.5	0.5	0.9	1.4	1.1	0.4
Sullivan	0.9	1.0	0.8	-----	0.3	1.1	0.6	0.6	1.3	1.3	1.0	1.3	0.8	1.1	0.5
Vermont	21.0	17.6	21.1	4.0	1.0	3.0	1.1	29.7	26.1	26.5	17.9	19.2	17.6	10.9	7.1
Addison	2.1	1.4	1.3	-----	0.6	0.5	0.2	3.6	3.1	1.4	0.4	0.9	1.4	0.6	0.8
Bennington	0.9	0.5	1.9	0.5	0.2	0.1	0.1	1.4	1.0	0.9	0.3	0.6	1.3	0.2	0.9
Caledonia	1.6	1.3	2.2	-----	-----	0.1	(4)	1.7	1.6	3.0	1.7	1.8	1.4	0.9	-----
Chittenden	1.7	1.5	5.3	1.8	0.2	0.3	0.2	2.7	2.4	0.9	1.1	1.2	1.0	0.9	0.1
Essex	0.5	0.6	-----	-----	-----	(4)	-----	0.8	0.7	0.5	0.8	0.5	0.3	0.1	-----
Franklin	1.7	1.5	2.3	0.3	0.1	0.2	(4)	2.9	2.0	1.4	1.7	2.1	1.4	1.1	0.4
Grand Isle	0.4	0.5	-----	-----	-----	-----	-----	0.5	0.9	0.7	0.3	0.3	0.1	0.2	0.1
Lamoille	1.2	0.8	0.1	-----	-----	-----	-----	1.8	1.4	1.8	0.6	1.0	1.1	1.7	(4)
Orange	1.6	1.7	-----	0.1	-----	0.2	(4)	2.2	2.3	2.6	2.0	2.2	1.7	1.4	0.6
Orleans	1.7	1.6	0.9	(4)	-----	0.1	(4)	2.8	1.8	2.0	2.4	2.1	1.3	1.2	(4)
Rutland	1.9	1.3	2.3	0.8	-----	1.0	0.2	2.4	2.0	2.0	1.0	1.6	2.2	0.5	1.2
Washington	1.7	1.8	1.5	0.2	-----	0.1	0.2	1.9	1.9	3.1	2.7	2.0	1.1	0.5	0.4
Windham	1.6	1.6	1.7	-----	0.1	0.1	0.1	2.2	2.8	2.1	1.1	1.1	0.9	0.5	0.7
Windsor	2.4	1.6	1.8	0.1	-----	0.2	(4)	2.8	2.2	4.2	1.9	1.8	2.4	0.9	1.9
Massachusetts	24.2	25.6	19.6	38.3	48.4	40.6	46.3	16.6	18.4	18.6	21.7	14.4	14.2	21.3	10.0
Barnstable	0.5	0.6	0.5	(4)	5.3	0.9	2.5	0.1	(4)	0.2	0.4	0.2	0.2	1.4	1.8
Berkshire	1.1	1.9	2.5	5.5	1.2	1.1	1.7	0.8	0.9	1.5	3.0	1.5	1.4	1.3	0.4
Bristol	3.5	2.7	6.0	7.3	8.4	7.1	7.1	2.2	1.4	1.1	1.4	0.7	0.7	2.1	1.2
Dukes	(4)	0.1	0.1	-----	0.7	(4)	0.3	(4)	-----	0.1	(4)	(4)	0.1	0.2	0.3
Essex	2.1	1.7	2.4	1.2	3.3	4.3	4.2	1.3	1.7	1.1	0.4	0.7	1.0	2.1	1.3
Franklin	2.2	2.2	0.3	0.3	0.6	2.7	3.1	2.1	1.6	2.2	2.4	2.2	1.8	1.2	0.2
Hampden	1.5	1.9	1.4	1.9	1.5	2.2	3.0	1.1	1.3	1.4	2.4	1.3	1.2	1.4	0.4
Hampshire	2.3	2.6	0.4	0.7	1.3	3.3	3.8	1.7	2.1	2.6	1.9	1.8	1.1	1.5	0.2
Middlesex	3.8	3.8	1.7	1.3	7.7	7.2	7.8	2.6	3.7	2.4	1.8	1.0	1.5	3.2	2.0
Nantucket	(4)	(4)	0.2	0.4	0.1	(4)	-----	-----	-----	(4)	(4)	(4)	(4)	-----	0.1
Norfolk	1.3	1.0	0.8	1.7	4.8	3.1	2.6	0.6	0.6	0.3	0.4	0.3	0.7	1.2	0.3
Plymouth	1.9	2.2	0.7	12.9	8.9	3.9	4.7	1.1	1.6	0.5	0.8	0.5	0.9	2.4	0.9
Suffolk	(4)	(4)	0.1	-----	0.1	0.1	(4)	(4)	(4)	(4)	-----	(4)	(4)	0.1	0.1
Worcester	3.9	5.1	2.6	5.0	4.5	4.6	5.7	2.9	3.5	5.1	6.5	4.1	3.6	3.3	0.8
Rhode Island	3.0	3.0	4.8	2.8	7.9	5.2	6.5	1.3	0.6	2.9	3.7	2.1	1.7	2.6	2.2
Bristol	0.2	0.2	0.1	(4)	0.9	0.4	0.6	0.1	0.1	(4)	0.1	(4)	(4)	0.1	0.3
Kent	0.5	0.4	1.7	-----	1.2	0.8	0.6	0.1	(4)	0.7	0.7	0.4	0.1	0.5	0.2
Newport	0.6	0.6	0.1	0.1	0.9	1.5	2.0	0.2	0.1	0.6	0.4	0.3	0.5	0.5	1.3
Providence	1.1	1.0	1.8	1.5	3.8	1.7	2.0	0.7	0.3	0.8	1.2	1.1	0.9	1.2	0.1
Washington	0.6	0.8	1.2	1.1	1.1	0.9	1.3	0.3	0.1	0.7	1.2	0.4	0.1	0.3	0.2
Connecticut	13.1	12.0	34.3	43.3	6.4	20.4	22.8	5.7	5.9	15.1	11.1	14.9	17.0	13.1	47.0
Fairfield	1.6	1.7	6.0	6.9	0.6	2.1	3.1	0.6	0.4	2.1	2.1	1.7	2.6	1.9	8.4
Hartford	3.5	3.4	13.1	11.0	2.2	5.9	6.7	1.8	2.3	2.3	2.5	2.2	2.0	3.2	4.6
Litchfield	1.3	1.6	3.3	7.5	0.5	2.0	2.1	0.5	0.4	1.8	2.3	2.4	2.9	1.9	5.1
Middlesex	0.8	0.7	2.5	1.3	1.1	1.2	2.1	0.2	0.1	1.2	0.5	1.4	1.8	0.4	3.0
New Haven	1.3	1.3	4.2	6.4	1.3	1.9	2.5	0.5	0.8	1.7	0.9	2.3	2.3	2.3	4.8
New London	2.0	1.9	3.9	8.5	-----	2.9	2.7	0.8	0.8	2.9	2.2	1.8	1.2	1.1	11.6
Tolland	1.1	0.8	0.3	0.1	0.3	2.4	1.7	0.3	0.8	1.1	0.4	1.6	1.8	0.9	3.5
Windham	1.5	0.7	1.0	1.5	0.2	2.1	2.0	1.2	0.4	1.8	0.3	1.5	2.4	1.4	6.0

---

[1] Excludes unimproved dirt and "All other" roads.
[2] In 1925 asphalt was included with "All other" roads.
[3] Includes asphalt in 1930.
[4] Less than one-tenth of 1 per cent.

LIBR U.S

TABLE 42.—TOTAL POPULATION AND POPULATION PER SQUARE MILE, 1930 AND 1920; LAND AREA AND FARM POPULATION, 1930; AND AVERAGE VALUE OF ALL FARM REAL ESTATE (LAND AND BUILDINGS) PER ACRE, 1930 AND 1925; BY METROPOLITAN AREAS IN NEW ENGLAND

METROPOLITAN DISTRICT	TOTAL POPULATION			Land area in square miles, 1930	TOTAL POPULATION PER SQUARE MILE		FARM POPULATION, 1930		AVERAGE VALUE OF FARM REAL ESTATE PER ACRE	
	1930	1920	Per cent of increase, 1920–1930		1930	1920 [1]	Number	Per cent of total	1930	1925
Boston:										
Metropolitan district	2,307,897	2,007,425	14.9	1,022.60	2,256.9	1,963.1	18,136	0.79	$417	$293
Boston city	781,188	748,060	4.4	43.90	17,794.7	17,040.1	66	0.01	1,720	2,735
Outside city	1,526,709	1,259,365	21.2	978.70	1,560.0	1,286.8	18,070	1.18	413	292
Bridgeport:										
Metropolitan district	203,969	185,580	9.9	169.33	1,204.6	1,096.0	3,306	1.62	383	285
Bridgeport city	146,716	143,555	2.2	14.64	10,021.6	9,805.7	143	0.10	807	636
Outside city	57,253	42,025	36.2	154.69	370.1	271.7	3,163	5.52	370	278
Hartford:										
Metropolitan district	471,185	381,875	23.4	565.05	833.9	675.8	16,941	3.60	275	224
Hartford city	164,072	138,036	18.9	15.88	10,332.0	8,692.4	85	0.05	3,380	844
Outside city	307,113	243,839	25.9	549.17	559.2	444.0	16,856	5.49	271	223
Lowell-Lawrence:										
Metropolitan district	332,028	342,706	−3.1	292.18	1,136.4	1,172.9	7,187	2.16	182	156
In central cities	185,302	207,029	−10.5	20.13	9,205.3	10,284.6	183	0.10	440	262
Lowell city	100,234	112,759	−11.1	13.38	7,491.3	8,427.4	93	0.09	424	262
Lawrence city	85,068	94,270	−9.8	6.75	12,602.7	13,965.9	90	0.11	3,250	275
Outside central cities	146,726	135,677	8.1	272.05	539.3	498.7	7,004	4.77	179	154
New Haven:										
Metropolitan district	293,724	258,912	13.4	249.07	1,179.3	1,039.5	5,048	1.72	273	194
New Haven city	162,655	162,537	0.1	17.91	9,081.8	9,075.2	184	0.11	1,018	334
Outside city	131,069	96,375	36.0	231.16	567.0	416.9	4,864	3.71	263	191
Providence-Fall River-New Bedford:										
Metropolitan district	963,686	878,708	9.7	817.83	1,178.3	1,074.4	21,173	2.20	195	152
In central cities	480,852	479,297	0.3	69.72	6,896.9	6,874.6	558	0.12	464	387
Providence city	252,981	237,595	6.5	17.83	14,188.5	13,325.6	30	0.01	3,271	1,610
Fall River city	115,274	120,485	−4.3	32.90	3,503.8	3,662.2	350	0.30	217	104
New Bedford city	112,597	121,217	−7.1	18.99	5,929.3	6,383.2	178	0.16	776	428
Outside central cities	482,834	399,411	20.9	748.11	645.4	533.9	20,615	4.27	190	147
Springfield-Holyoke:										
Metropolitan district	398,991	359,778	10.9	518.69	769.2	693.6	14,264	3.58	169	179
In central cities	206,437	189,817	8.8	52.86	3,905.4	3,590.9	578	0.28	266	242
Springfield city	149,900	129,614	15.7	31.70	4,728.7	4,088.8	214	0.14	416	284
Holyoke city	56,537	60,203	−6.1	21.16	2,671.9	2,845.1	364	0.64	212	223
Outside cities [2]	192,554	169,961	13.3	465.83	413.4	364.9	13,686	7.11	166	175
Waterbury:										
Metropolitan district	140,575	129,251	8.8	206.66	680.2	625.4	4,535	3.23	148	112
Waterbury city	99,902	91,715	8.9	28.10	3,555.2	3,263.9	179	0.18	330	154
Outside city	40,673	37,536	8.4	178.56	277.8	210.2	4,356	10.71	141	110
Worcester:										
Metropolitan district	305,293	276,755	10.3	399.56	764.1	692.6	9,086	2.98	161	143
Worcester city	195,311	179,754	8.7	37.20	5,250.3	4,832.1	401	0.21	432	436
Outside city	109,982	97,001	13.4	362.36	303.5	267.7	8,685	7.90	151	131

---

[1] Computed by dividing the total population, 1920, by the land area in square miles, 1930.

[2] Longmeadow and East Longmeadow, although annexed to the city of Springfield in 1928, are included with those towns or cities in the "Outside central cities" group.

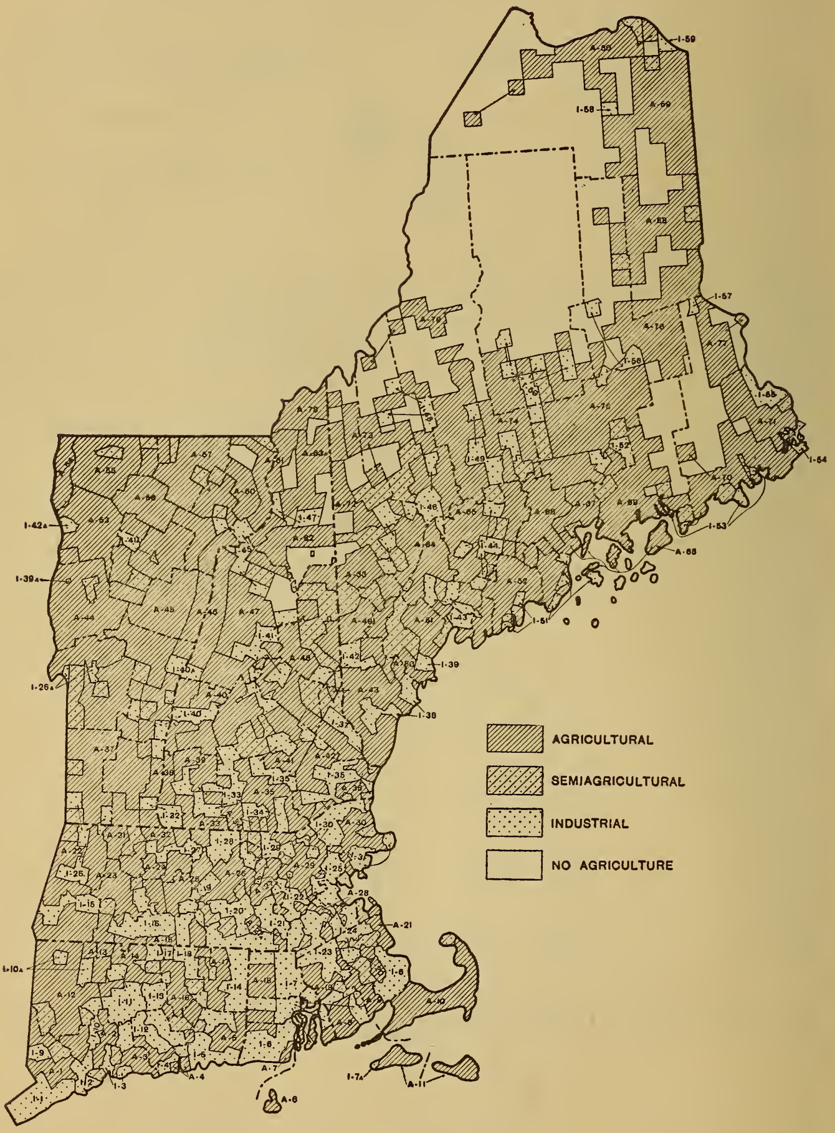

FIGURE 23.—AGRICULTURAL, SEMIAGRICULTURAL, AND INDUSTRIAL AREAS, BY MINOR CIVIL DIVISIONS, IN THE NEW ENGLAND STATES, 1930

TABLE 43.—ACREAGES OF ALL LAND IN FARMS, TOTAL VALUE OF ALL FARM REAL ESTATE (LAND AND BUILDINGS), AND AVERAGE VALUE OF ALL FARM REAL ESTATE PER ACRE, BY PRINCIPAL AGRICULTURAL AREAS, FOR NEW ENGLAND, 1930

AGRICULTURAL AREA	All land in farms (acres)	VALUE OF ALL FARM REAL ESTATE		AGRICULTURAL AREA	All land in farms (acres)	VALUE OF ALL FARM REAL ESTATE		AGRICULTURAL AREA	All land in farms (acres)	VALUE OF ALL FARM REAL ESTATE	
		Total value (dollars)	Average value per acre (dollars)			Total value (dollars)	Average value per acre (dollars)			Total value (dollars)	Average value per acre (dollars)
A-1	45, 943	14, 797, 389	322. 08	A-21	6, 029	1, 964, 165	325. 79	A-41	91, 008	3, 396, 705	37. 32
A-2	31, 607	5, 167, 535	163. 49	A-22	56, 525	4, 034, 405	71. 37	A-42	118, 508	4, 621, 620	39. 00
A-3	51, 312	5, 516, 995	107. 52	A-23	185, 526	6, 458, 748	34. 81	A-43	112, 434	5, 593, 997	49. 75
A-4	5, 883	1, 059, 335	180. 07	A-24	83, 988	15, 384, 956	183. 18	A-44	479, 885	19, 432, 400	40. 49
A-5	91, 943	3, 399, 133	36. 97	A-25	67, 088	4, 025, 430	60. 00	A-45	720, 458	22, 269, 245	30. 91
A-6	2, 055	109, 700	53. 38	A-26	81, 698	6, 143, 172	75. 19	A-46	293, 884	9, 486, 770	32. 28
A-7	1, 962	378, 400	192. 86	A-27	50, 140	8, 221, 101	163. 96	A-47	45, 019	992, 315	22. 04
A-8	61, 475	10, 646, 360	173. 18	A-28	12, 436	5, 523, 439	444. 15	A-48	128, 836	4, 615, 115	35. 82
A-9	28, 312	5, 159, 004	182. 22	A-29	78, 387	21, 911, 195	279. 53	A-49	95, 587	2, 816, 915	29. 47
A-10	28, 462	5, 078, 062	178. 42	A-30	71, 595	17, 852, 806	249. 36	A-50	55, 058	4, 275, 219	77. 65
A-11	13, 165	1, 172, 315	89. 05	A-31	90, 039	2, 245, 885	24. 94	A-51	79, 002	3, 828, 036	48. 45
A-12	334, 523	27, 801, 223	83. 11	A-32	64, 588	3, 378, 801	52. 31	A-52	277, 181	9, 415, 705	33. 97
A-13	82, 636	6, 275, 608	75. 94	A-33	59, 901	1, 804, 620	30. 13	A-53	300, 104	13, 633, 000	45. 43
A-14	101, 023	22, 294, 667	220. 69	A-34	32, 926	2, 195, 516	66. 68	A-54	45, 704	4, 036, 738	88. 32
A-15	12, 683	1, 819, 700	143. 48	A-35	132, 351	7, 580, 960	57. 28	A-55	293, 857	14, 414, 534	49. 05
A-16	131, 039	9, 560, 804	72. 96	A-36	47, 874	3, 682, 147	76. 91	A-56	220, 285	6, 234, 010	28. 30
A-17	133, 747	7, 215, 691	53. 95	A-37	376, 919	11, 320, 320	30. 03	A-57	396, 640	13, 748, 925	34. 66
A-18	40, 680	2, 448, 795	60. 20	A-38	265, 524	7, 885, 768	29. 70	A-58	204, 365	10, 601, 695	51. 88
A-19	41, 411	7, 972, 644	192. 52	A-39	96, 926	3, 009, 050	31. 04	A-59	435, 052	44, 485, 775	102. 25
A-20	20, 314	4, 853, 238	238. 91	A-40	160, 251	3, 779, 080	23. 58				

TABLE 44.—ACREAGE OF ALL LAND IN FARMS, TOTAL VALUE OF ALL FARM REAL ESTATE (LAND AND BUILDINGS), AND AVERAGE VALUE OF ALL FARM REAL ESTATE PER ACRE, BY PRINCIPAL INDUSTRIAL AREAS, FOR NEW ENGLAND, 1930

INDUSTRIAL AREA	All land in farms (acres)	VALUE OF ALL FARM REAL ESTATE		INDUSTRIAL AREA	All land in farms (acres)	VALUE OF ALL FARM REAL ESTATE		INDUSTRIAL AREA	All land in farms (acres)	VALUE OF ALL FARM REAL ESTATE	
		Total value (dollars)	Average value per acre (dollars)			Total value (dollars)	Average value per acre (dollars)			Total value (dollars)	Average value per acre (dollars)
I-1	28, 532	41, 519, 253	1, 455. 18	I-14	205, 789	13, 856, 370	67. 33	I-27	39, 450	3, 432, 212	87. 00
I-2	20, 496	4, 257, 420	207. 72	I-15	27, 083	2, 029, 032	74. 92	I-28	25, 850	1, 513, 806	58. 56
I-3	10, 657	4, 425, 081	415. 23	I-16	62, 903	10, 444, 166	166. 04	I-29	45, 688	6, 664, 629	145. 87
I-4	54, 546	3, 675, 109	67. 38	I-17	45, 484	10, 000, 358	219. 87	I-30	43, 014	8, 801, 357	204. 62
I-5	52, 021	5, 462, 371	105. 00	I-18	48, 757	2, 853, 009	58. 51	I-31	14, 634	6, 009, 710	410. 67
I-6	65, 406	4, 589, 175	70. 16	I-19	57, 235	3, 366, 406	58. 82	I-32	32, 979	1, 829, 530	55. 48
I-7	79, 523	18, 880, 445	237. 42	I-20	52, 597	7, 551, 201	143. 57	I-33	74, 040	3, 545, 626	47. 89
I-8	18, 443	3, 362, 825	182. 34	I-21	42, 366	5, 788, 658	136. 63	I-34	28, 529	2, 002, 622	70. 20
I-9	20, 496	3, 674, 292	179. 27	I-22	27, 851	7, 454, 170	267. 64	I-35	74, 684	4, 404, 675	58. 98
I-10	17, 882	2, 469, 271	138. 09	I-23	55, 707	9, 925, 815	178. 18	I-36	60, 053	3, 457, 815	57. 58
I-11	80, 575	19, 140, 929	237. 55	I-24	29, 309	7, 955, 523	271. 44	I-37	38, 345	2, 795, 475	72. 90
I-12	54, 988	9, 308, 229	169. 28	I-25	11, 137	12, 265, 409	1, 101. 32	I-38	37, 513	2, 899, 920	77. 30
I-13	47, 891	11, 255, 186	235. 02	I-26	68, 743	6, 798, 457	98. 90	I-39	10, 945	2, 177, 870	198. 98

U.S. Bur. of the Census.
Census of agriculture:
farm real-estate vales
in the New England
states, 1850 to 1930.

Census
Z
065
UN3c
1930

BRITTLE PAPER
PLEASE HANDLE WITH CARE

CB/Bureau of the Census Library
5 0673 01179005 5